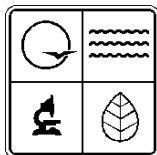


# State of Missouri Toxics Release Inventory



## Summary Report: 2003 Data

September 2005



**Missouri Department of Natural Resources**

Environmental Assistance Office

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Ask for the Missouri 2003 TRI Report.

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# **STATE OF MISSOURI TOXICS RELEASE INVENTORY**

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## **SUMMARY REPORT: 2003 Data**

**September 2005**

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## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.mo.gov](http://www.dnr.mo.gov)

Dear Fellow Missourians:

The Missouri Department of Natural Resources is pleased to provide the following *State of Missouri Toxics Release Inventory Summary Report – 2003 Data*. This report presents the most current data available for the release and management of toxic chemicals by Missouri manufacturing and processing facilities. This data is made available as part of the reporting requirement under Section 313 of the Emergency Planning and Community Right-to-Know Act.

For reporting year 2003, 584 facilities reported releasing a total of 102,528,549 pounds of toxic chemicals to the environment in Missouri. This was a decrease of 10,698,590 pounds, or 9.4 percent less than the amount reported in 2002 and reflects a third year in a row that we have seen a downward trend in total releases. We did see a relatively large increase in total wastes managed but most of this was due to increased on-site recycling which is a beneficial method for managing wastes. Releases of persistent, bioaccumulative and toxic (PBT) chemicals such as lead and dioxin showed significant decreases but mercury and mercury compounds showed moderate increases. See the attached report for details.

The Toxics Release Inventory report is published to better inform Missouri citizens about the environment in their communities. To that purpose, the department intends to continue to provide this report and to make it more meaningful for Missouri citizens. We encourage you to read this report for a greater understanding of the Toxics Release Inventory information and how the reported releases may impact you or your community. Over the years, we have seen a continued downward trend in the total amount of chemicals released to the environment. By making this report available to Missouri citizens, the department hopes the public will become more involved with the reporting facilities in their communities and help reduce the amount of releases even further.

As you read this report, if you have questions or need more information, feel free to contact me at 1-800-361-4827 or (573) 526-6627.

Thank you for your interest in the Toxics Release Inventory. We hope this information will be of benefit to you and will help make your environment better.

Sincerely,

ENVIRONMENTAL ASSISTANCE OFFICE

*Original signed by Eugene R. Nickel*

Eugene R. Nickel  
TRI Coordinator

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# **Explanation of Terms**

**Energy Recovery** - Recovery of useful energy from waste mainly through combustion of chemical waste.

**Facility** - Defined for the purposes of TRI reporting as all buildings, equipment, structures and other stationary items which are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (entity).

**Fugitive (Non-Point) Air Releases** – TRI chemical emissions to the air that are not conveyed through stacks, vents, ducts, pipes or other confined air streams. Examples include equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines and evaporative losses from open tanks, surface impoundments and spills.

**Manufacture** - To produce, prepare, import or compound a toxic chemical.

**Off-site Locations** - Locations outside the boundaries of a facility to which TRI chemicals are transported for treatment, energy recovery, recycling or disposal.

**Off-site Releases** – Refers to TRI chemicals sent off-site for disposal in permitted hazardous waste landfills and water discharges of metals and metal compounds to publicly owned treatment works (POTWs), also known as the local sanitary sewer system.

**Off-site Transfers** - Refers to TRI chemicals sent off-site for energy recovery, recycling, treatment or disposal. They are reported as transfers to either publicly owned treatment works (POTWs) or other off-site locations (non-POTWs) such as incinerators, landfills, other treatment, recycling, energy recovery or disposal facilities not part of the reporting facility. Off-site transfers for disposal are included in total releases to the environment.

**Off-site Waste Management** – Refers to TRI chemicals sent off-site for recycling, energy recovery or treatment. May also include chemicals sent to brokers for further waste management.

**On-site Releases** – Refers to on-site discharges of TRI chemicals to the air, water, land and disposal in underground injection wells (none in Missouri). They include permitted, accidental and non-permitted discharges.

**On-site Releases to Air** - See Fugitive (Non-Point) Air Releases and Stack (Point Source) Air Releases.

**On-site Releases to Land** - Refers to landfilling, surface impoundment, land treatment/application/farming or any other release of a TRI chemical to land within the boundaries of a facility.

**On-site Releases to Water** - Refers to discharging of TRI chemicals to surface waters such as rivers, lakes, ponds and streams or unnamed tributaries within the physical boundaries of the facility.

**On-site Waste Management** – Refers to TRI chemicals recycled, used for energy recovery or treated on-site.

**Otherwise Use** - Any use of a toxic chemical at a facility which is not covered by the definitions of manufacture or process. This includes any activities in which a listed toxic chemical does not become intentionally incorporated into the final product for distribution in commerce. Examples of otherwise use include degreasers, solvents in paints that are applied to a product, chemicals used in water treatment and refrigerants or coolants.

**Publicly Owned Treatment Works (POTW)** - A wastewater treatment facility that is owned by a unit of government, also referred to as the local sanitary sewer system.

**Processed** - Refers to the preparation of a listed toxic chemical after its manufacture for distribution in commerce. Processing is usually the intentional incorporation of a toxic chemical into a product. It includes making mixtures, repackaging and using a toxic chemical as a feedstock, raw material or starting material for making another chemical.

**Production Related Wastes** – Refers to TRI chemicals managed in wastes that are created from production related processes and are managed either on-site or off-site through energy recovery, recycling or treatment.

**Recycle** - The process of capturing a useful product from a waste stream. Solvent recovery, metals recovery and acid regeneration are examples of recycling.

**Source Reduction/Pollution Prevention** - Activities that reduce the quantity or toxicity of wastes in a process before they are generated. Improved operation and maintenance, process and equipment modification, conservation practices, material substitution, product modification and in-process recycling are examples of pollution prevention.

**Stack (Point Source) Air Releases** – TRI chemical emissions to the air that are conveyed through stacks, vents, ducts, pipes or other confined air streams. Examples include storage tank emissions and emissions from air pollution control equipment.

**Standard Industrial Classification (SIC) Code** - A four digit number code designated by the Federal Office of Management and Budget to describe the type of activity(ies) at a facility. The first two numbers of the code define a major business sector and the last two numbers define a facility's specialty within the major sector.

**Total On-site Releases** – Total releases to air, land and water within the physical boundaries of the facility.

**Total Off-site Releases** – Total transfers off-site for disposal, including metals and metal compounds sent off-site to POTWs.

**Total Production Related Wastes** – Includes total of all TRI chemicals managed on- or off-site through recycling, energy recovery or treatment and includes total on- and off-site releases as defined above. Non-metals sent to POTWs are included in off-site treatment and metals and metal compounds sent to POTWs are included in off-site releases.

**Total Releases** – Refers to total of on-site releases of TRI chemicals to air, land and water and those sent off-site for disposal including metals and metal compounds sent to POTWs.

**Toxic** - A substance that produces or causes a systemic damage to an organism.

**Toxics Release Inventory (TRI)** – The state or national database that collects and tracks the reported releases of toxic chemicals by manufacturing and other covered SIC code industries.

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# **Executive Summary**

In reporting year (RY) 2003, 584 companies reported releasing a total of 102,528,549 pounds of toxic chemicals into the Missouri environment. This was a decrease of 10,698,590 pounds, or 9.4 percent less than the amount reported in RY2002. This included 27,681,968 pounds to the air, 64,025,493 pounds to the land and 2,617,220 pounds to the water. Off-site disposal and transfers of metals to publicly owned treatment works (POTWs) totaled 8,057,922 and 145,946 pounds, respectively. These quantities are also considered releases to the environment.

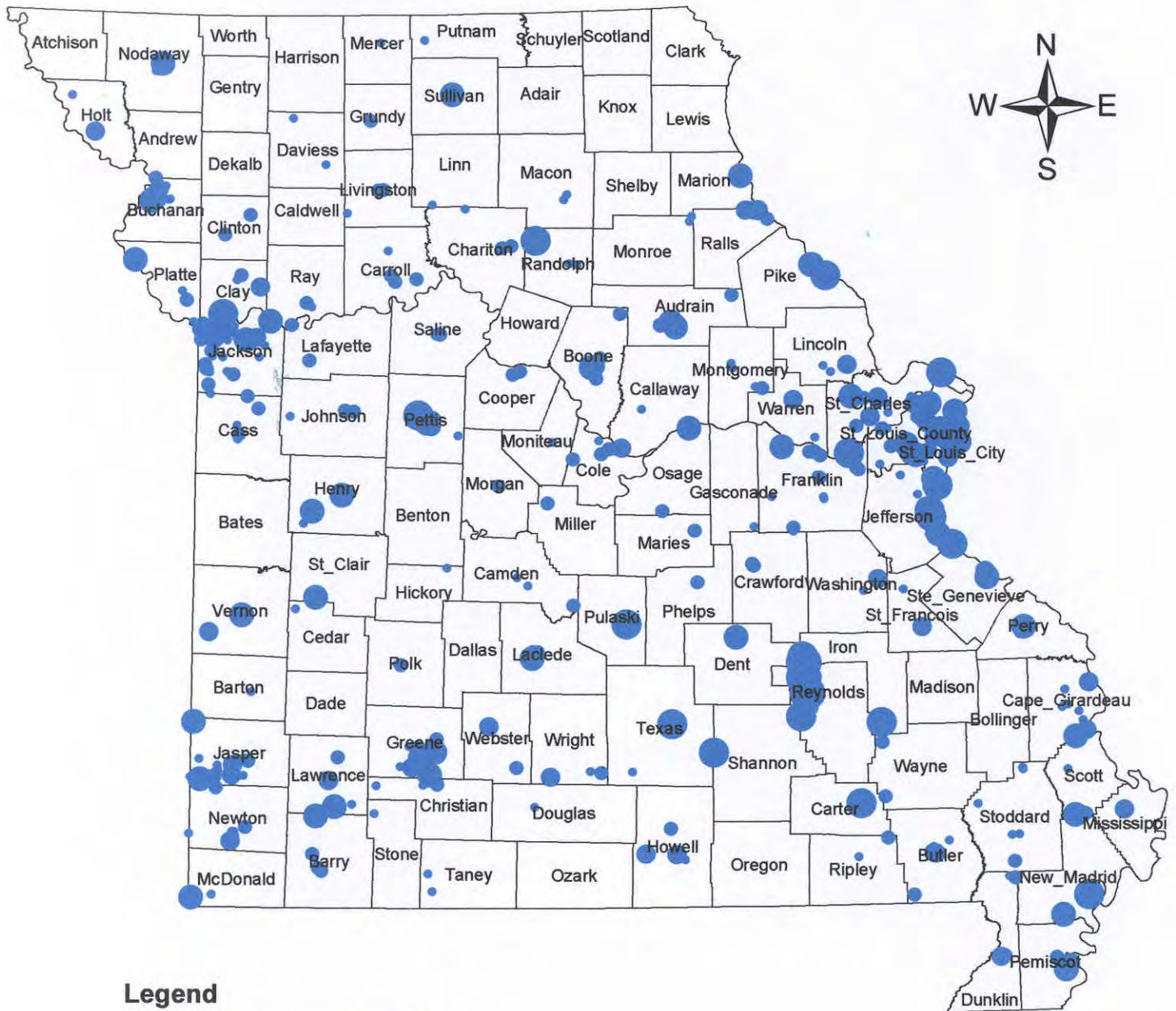
The major portion of the above reduction was due to a combination of decreases to the air, land and water by the original industries. Their total decrease amounted to 11,053,767 pounds, which is greater than the above total. The new industries showed a small total increase of 355,179 pounds or 0.6 percent, which accounts for the difference. The original industries are the manufacturing sectors that have been reporting to the Toxics Release Inventory (TRI) since 1988. The new industries are the industries that were added in 1998. In Missouri, the new industry sector consists primarily of the electric utilities and the metal mining industries.

For RY2003, total production-related wastes managed by both industry groups was 659,801,703 pounds. This was an increase of 81,66,526 pounds or 14.1 percent more than the amount reported in RY2002. This increase was a result of increased on-site recycling by the original industries and on-site waste treatment by the new industry sector. Details about which companies contributed most to these changes is contained in the Data Summary and Data Analysis sections of this report.

Figure 1 is a map of Missouri showing the location of all of the facilities that report to the TRI. The size of the circle, depicting each facility, corresponds to the total volume of each facility's releases, see the legend. As can be seen, many of the larger circles are clustered around the larger metropolitan cities. This just makes sense. (Note that, because of the scale of the map, many smaller circles may be hidden by larger ones.) Other large circles scattered in rural areas are typically electric utilities, metal mines or charcoal kilns. See Appendix C for details about the facilities located in your county.

In the Data Analysis section, details about the greatest releases by industry sector, by chemical and by company are discussed. Tables showing the top 40 chemicals, the top forty facilities and the top 40 reports of on- and off-site waste management are provided. A map of releases by county is also provided. Tables showing comparisons between the 2002 and 2003 reporting years for several of these categories are also provided. Some of the changes between these two years have been significant. Water releases are discussed separately at the end of this section.

# Figure 1. Total Releases per Facility





Note that although a main focus of this report is on the volume of releases, the highest volume of releases may not always pose the greatest risk. The TRI does not directly address risk it only reports the volume of each chemical released and to which media; air, land or water. The chemicals in the TRI are simply all considered “toxic”, but no ranking is provided. However, it makes sense that air and water releases could most easily pose the greatest or most immediate risk.

As an example, for RY2003, the chemicals with the largest volume of releases were zinc compounds (26.5 million pounds) and lead compounds (25.1 million pounds.) The greatest majority of these were land releases, 97.6 percent and 99.1 percent, respectively. Both of these chemicals showed comparatively small air releases, 553,007 pounds and 223,255 pounds, 2.1 percent and 0.9 percent, respectively. However, it is these releases that probably pose the greatest risk. Details about the greatest air and water releases and which companies are reporting these releases are provided in the following sections of this report.

The 2003 reporting year is the fourth year that the original and new industries have been required to report for a special category known as persistent, bioaccumulative and toxic (PBT) chemicals. The PBT chemicals are considered more toxic than the rest of the TRI chemicals and are of more concern because they bioaccumulate in animal tissue and are very persistent or are more difficult to destroy in the environment. It is the third year lead and lead compounds have been reported as PBT chemicals with the lower threshold of 100 pounds. Separate sections are provided in the following report for lead and lead compounds, mercury and mercury compounds, organic PBTs, and dioxin and dioxin-like compounds.

Some of the more significant facts observed in these sections were a 25.0 percent reduction in air emissions of lead and lead compounds, a 3.7 percent increase in air releases of mercury and a 35.8 percent decrease in total releases of dioxin and dioxin-like compounds (DLCs). Note that dioxin and DLCs are reported in grams, which are a very small fraction of a pound. Because of the highly toxic characteristics of dioxin and DLCs they are reported at this lower level.

Although there have been significant decreases in releases of lead and lead compounds, there are still 225,488 pounds (or 113 tons) being released to the air in Missouri and 3,964 pounds (almost 2 tons) of mercury and mercury compounds. Of all the air releases of lead and lead compounds, the Doe Run Company mines, smelters and lead recycling facility in southeast Missouri account for 90.8 percent of the total. The electric utilities account for 83.0 percent of the air releases of mercury and mercury compounds, or 3,289 pounds.

Dioxin and DLCs are reported primarily by the electric utilities and the cement kilns. For RY2003 there were a total of 41.4664 grams of dioxin and DLCs released to the air. The cement kilns accounted for 17.7847 grams or 42.9 percent of the total and the electric utilities accounted for 14.9655 grams or 36.1 percent.

It was noteworthy that one of the cement kilns, the Continental Cement Company in Hannibal, Mo., reported a very large decrease in their air release of dioxin and DLCs between 2002 to 2003. For RY2003 it reported a decrease of 17.45 grams or 95.9 percent less than its reported release in RY2002. Contact with Continental Cement revealed that they were able to achieve this reduction by adding specially designed temperature controls at the exit of the kiln to reduce the temperature of the exhaust gases, greatly reducing the generation of dioxins. Although this change was part of an EPA requirement under the Maximum Achievable Control Technology (MACT) standard, Continental Cement is still commended for complying with the law and achieving such a large reduction.

Another section of this report, entitled “Trends Analysis,” looks at trends over several years both for the original industries and the new ones since they began reporting in 1998. Because of the difference in reporting years and the large impact the new industries had on the reported releases, these two groups are reviewed separately.

Looking at trends over several years, we have seen a continued downward trend in total releases, including all media, for both industry groups. For the original industries their total annual releases have decreased by 64 percent since 1988. The new industry totals have decreased by 23.9 percent since 1998. Air releases for both the original and the new industry sectors have shown downward trends. Since 1988, the air releases by the original industries have decreased by 58.2 percent. The air releases for the new industries have decreased by 55.8 percent since they began reporting in 1998. All of these downward trends show very positive progress.

The final section of this report deals with “source reduction,” which are any activities that companies implement that reduce the amount of pollution being generated. The Pollution Prevention Act of 1990 established source reduction as a national policy, and stated that the best way to manage pollution was to prevent or reduce the generation of wastes that cause pollution. In 1991, when source reduction reporting began, about 53.3 percent of all the reports showed some form of source reduction activity. In reporting year 2003 only 17.3 percent of reports showed source reduction. This downward trend has continued since 1991.

This decrease is understandable because implementing new source reduction activity naturally tends to be more difficult with every passing year. However, companies that initiate or implement a source reduction activity should see continued reductions in the amount of pollution generated, if the activity is continued. As an example, source reduction code W42 is “substituted raw materials,” or replacing a more toxic chemical with a less or even non-toxic one. If this change permanently eliminates a TRI chemical, the company will realize the benefits of this source reduction activity in future years, although the activity is only reported the year it is implemented.

As part of the source reduction requirements, companies also report projections of TRI chemical activity for two future years. Total production-related wastes are projected to decrease greatly in RY2004 and RY2005 but this was found to be due entirely to the shut-down of the Doe Run smelter in Glover, Mo. However, total on- and off-site releases are projected to decrease by another 8.7 million pounds in RY2004, or 11.7 percent and then another 1.0 million pounds in RY2005. These are a very good outlooks.

This concludes the executive summary. The department hopes that Missouri citizens will find the information in this report beneficial. If you have questions or want additional information about the Toxics Release Inventory or need more information about an individual company, please contact the Missouri Department of Natural Resources' Environmental Assistance Office at 1-800-361-4827 or locally at (573) 526-6627.

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# Introduction

## What is the Toxics Release Inventory?

The Toxics Release Inventory, or TRI, is a national database maintained by the U.S. Environmental Protection Agency (EPA) that contains information about the releases of toxic chemicals by manufacturing industries. In 1998, seven new non-manufacturing industries were required to start reporting their releases to the TRI.

The TRI was established under the federal Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986. The TRI is sometimes referred to as Title III, Section 313 of the Superfund Amendments and Re-Authorization Act (SARA Title III). The purpose of the TRI is to provide local communities information about routine releases of toxic chemicals to the air, land and water in their communities so that they can be informed and take action where necessary.

For 2003, the list of reportable chemicals included 582 individual chemicals and 30 chemical categories. Three of the chemical categories list an additional 58 individually identified chemicals bringing the total to 667 (i.e., 582+27+58) chemicals. The list includes new reportable persistent, bioaccumulative and toxic chemicals known as PBTs. These PBT chemicals will be discussed in the next section of this report, “Changes to the TRI,” and are a focus of later sections of this report.

Facilities report TRI information to EPA and to the state in which the facility is located. The TRI reports are due each July 1 for the prior reporting year. A reporting year is the same as a calendar year, January 1 through December 31.

## Reporting Requirements

A facility is required to submit a report for a listed toxic chemical if the facility meets all three of the following criteria:

1. Employs the equivalent of 10 or more full time employees;
2. Is a covered industry, based on SIC code, or is a federal facility; and
3. Manufactures or processes more than 25,000 pounds, otherwise uses more than 10,000 pounds of a listed toxic chemical, or manufactures, processes or otherwise uses a PBT chemical over the listed threshold during the course of the calendar year.

Facilities that meet these criteria must submit one report, known as a Form R, for each toxic chemical manufactured, processed or otherwise used above the thresholds. The original Form R report is submitted to EPA and a copy is sent to the state. The Form R report contains information about the quantity of releases of each chemical to the air, land or water and off-site transfers. (A copy of a Form R is provided in Appendix A, entitled “Toxic Chemical Release Inventory Reporting Forms.”) A facility may need to report even if it has no releases, because reporting is based on the amount manufactured, processed or otherwise used and not on the amount released.

Table 1 provides a list of covered industries along with the corresponding two or four digit Standard Industrial Classification (SIC) codes. Appendix B, entitled “Standard Industrial Classification Codes,” has a more complete list of SIC codes that report under the TRI. SIC codes are used to identify the type of activities performed at a facility. Originally only manufacturing and federal facilities were covered under the TRI. All of the other industries shown in Table 1 were added to the TRI beginning with the 1998 reporting year.

**Table 1**  
**2003 Covered TRI Industries <sup>(1)</sup>**

<b>SIC Code</b>	<b>Industry Description</b>
10xx	Metal Mining <sup>(2)</sup>
12xx	Coal Mining <sup>(2)</sup>
20xx-39xx	Manufacturing
4911 4931 4939	Oil and Coal Fired Electric Utilities
4953	Hazardous Waste Treatment Facilities (RCRA Subtitle C)
5169	Wholesale Chemical Distributors
5171	Petroleum Bulk Terminals
7389	Solvent Recovery Services
9711 <sup>(3)</sup>	Federal Facilities

<sup>(1)</sup> Prior to 1998, only manufacturing and federal facilities were covered under TRI

<sup>(2)</sup> Certain qualifiers apply

<sup>(3)</sup> Multiple SICs may apply to federal facilities

The standard Form R report contains general facility information and detailed data about on-site releases, off-site transfers and on-site waste management activities. In lieu of a Form R, a short form (Form A) may be used if the facility meets certain criteria. After determining the need to report, a facility may use a Form A for a given non-PBT chemical if:

1. The sum of the total releases, transfers and wastes managed on- or off-site does not exceed 500 pounds; and
2. The total annual amount of the chemical manufactured, processed or otherwise used does not exceed 1,000,000 pounds.

The Form A is a two-page report that has the same general facility information and identification of the listed chemical, but it does not provide any release, transfer or waste management data. (See Appendix A for a copy of the Form A.) In 2003, 374 Form As were submitted out of a total of

2,299 reports filed. These Form As were submitted by 130 facilities out of a total of 584.

### **Uses of the TRI**

The Toxics Release Inventory can be used in a variety of ways. One of Congress' main purposes in enacting EPCRA was to provide citizens with information they can use to target potential health risks in their communities. This has been a common use of the TRI. Public interest and environmental groups, news media, community organizations, educators, researchers, industry, students and private citizens have all made use of the TRI in a variety of ways.

Because the TRI covers all media (i.e., air, land and water), federal, state and local governments can use the data to compare facilities or geographic areas, evaluate existing environmental programs, or target technical assistance efforts.

Facilities themselves can use the data to identify problem areas, establish reduction targets, reduce costs associated with the purchase and disposal of toxic chemicals, and monitor progress towards pollution prevention goals.

### **Limitations of the TRI Data**

The user of TRI data should be aware of its limitations in order to accurately interpret its significance. The TRI represents a relatively small fraction of the businesses in Missouri. This is due to the reporting criteria listed previously. There are numerous other sources not covered under the TRI that release toxic chemicals. These sources include small businesses, motor vehicles and agricultural operations. For some chemicals, the use of consumer products can be a significant source of releases to the environment.

Furthermore, facilities are only required to base TRI data on the best available information. They are encouraged to use measurements and monitoring data; however, if these are not available, amounts may be estimated based on published emission factors, mass balance calculations, or good engineering judgment. The methods of estimating or calculating data used by different facilities, or even the same facility, may vary over time. Thus, the accuracy of the reported quantities may be subject to question.

The TRI does not provide an indication of potential exposure to the reported releases. Therefore, it cannot be used by itself to determine the impact on public health. This is especially true in Missouri where many of the top releases are reported as land releases by the mining and electric utilities industries. An equivalent release to the air would be considered much more detrimental. Furthermore, the chemical's release rate, toxicity and environmental fate, as well as the local weather conditions and proximity of nearby communities to the release, must all be considered when assessing exposures. Despite these limitations, the TRI can serve as a screening tool to identify areas of concern that may warrant further investigation.

Due to the fact that several new industries were added to the TRI in 1998, the data from 1998 onward cannot be directly compared to the data from 1988 through 1997. In order to compare these data years, the new and old industry sectors need to be looked at separately.

## **Source Reduction**

In 1990, Congress passed a law known as the Pollution Prevention Act (PPA). The purpose of this law was to prevent pollution through reduced generation or elimination of

waste at the point of origin, also known as source reduction. Prior to this time, most environmental laws dealt with regulating wastes after they were generated. The PPA established a national policy stating that the best way to manage pollution was through source reduction. Source reduction, in part, was defined as any activity that reduced the generation of a pollutant prior to it entering a waste stream. Some states further defined source reduction as the reduced use of toxic chemicals. Use reduction is part of the PPA definition, but these states mandated use reduction as part of their regulation. This is not the case in Missouri.

The PPA did establish a hierarchy of preferred waste management options with source reduction being first, reuse or recycle being second, treatment being third, and disposal being last. Through the Toxics Release Inventory, the PPA now required facilities to report how they managed wastes both on-site and off-site. Several sections were added to the Form R to allow for these reporting requirements. Companies were also required to project what they would release or manage for two future years and to report what methods they were using to reduce the generation of wastes. This information is summarized in Section 8 of the Form R. Companies first started reporting this information in 1991. More details about source reduction will be provided in a later section of this report entitled "Source Reduction in Missouri."

# Changes to the TRI

The TRI reporting requirements may change as EPA seeks to improve the program through changes to the list of reportable chemicals or through program expansions.

## Industry Expansion

On May 1, 1997, EPA added seven industries to the list of covered facilities required to report under the TRI. These industries were required to start reporting for the 1998 reporting year. Prior to 1998, only manufacturers with SIC codes 20 – 39 and federal facilities were required to report (see Table 1). EPA included these seven new industries because facilities within these industry sectors manufacture, process or otherwise use substantial quantities of TRI chemicals and engage in activities similar to those conducted by manufacturing facilities.

This seven industry expansion increased the total amount of reported releases in Missouri by 79.9 million pounds in 1998, more than doubling the amount reported in 1997. Two industry sectors accounted for more than 99 percent of these increases in Missouri: the metal mining sector and the electric utilities sector. These two industries have continued to dominate the reported releases for the new industries since 1998 through 2003. These industries will be discussed in more detail later in this report. However, it should be remembered that these are not new releases to the environment but only newly reported releases. Many of these new industry sector facilities have been regulated under air pollution and hazardous waste regulations for many years.

## Chemical List Changes

EPA periodically changes the list of reportable chemicals by adding, deleting or qualifying chemicals, as new information

about these chemicals becomes available. For example, in 1999, phosphoric acid was deleted as a TRI reportable chemical. Also, the number of reportable chemicals was significantly increased for the 1995 reporting year and beyond. This increase included more than 200 chemicals and six chemical categories. A chemical category under TRI may include a discrete list of chemicals or may represent any chemical that possesses the category's characteristics. In response to the increased reporting burden resulting from the 1995 chemical expansion, EPA initiated the use of the Form A previously described.

## Persistent, Bioaccumulative and Toxic (PBT) Chemicals

In an Oct. 29, 1999, ruling, EPA established substantially lower reporting thresholds for 15 chemicals and three chemical categories that are highly persistent, bioaccumulate in the environment and are toxic. These are called PBT chemicals. PBT chemicals are of particular concern not only because they are highly toxic but because they remain in the environment for long periods of time, are not easily destroyed, and build up or accumulate in body tissues.

A list of these chemicals and their reporting thresholds are listed in Table 2. EPA believed that the current reporting thresholds of 25,000 and 10,000 pounds excluded important information about these chemicals. Therefore, the thresholds were lowered to those shown. The reporting thresholds for the PBT chemicals are the same regardless of whether they are manufactured, processed or otherwise used.

Not all of the chemicals listed in Table 2 were currently reportable under TRI. Under this ruling, EPA added four chemicals, one



chemical category, and two chemicals to an existing category.

**Table 2**  
**PBT Chemicals and Thresholds**

<b>Chemical</b>	<b>Threshold *</b>
Aldrin	100
Benzo (g,h,i) perylene <sup>(1)</sup>	10
Chlordane	10
Dioxin and Dioxin-Like Compounds <sup>(1)</sup>	0.1 grams
Heptachlor	10
Hexachlorobenzene	10
Isodrin	10
Lead and Lead Compounds <sup>(3)</sup>	100
Mercury	10
Mercury Compounds	10
Methoxychlor	100
Octachlorosytrene <sup>(1)</sup>	10
Pendimethalin	100
Pentachlorobenzene <sup>(1)</sup>	10
Polycyclic Aromatic Compounds	100
Polychlorinated Biphenyls (PCBs) <sup>(2)</sup>	10
Tetrabromobisphenol A <sup>(1)</sup>	100
Toxaphene	10
Trifluralin	100

\* Pounds per year unless otherwise noted.

(1) Added to the TRI List for RY2000.

(2) Two new chemicals were added to this category for RY2000, 3-methylcholanthrene and Benzo (j, k) fluorine.

(3) Lead and Lead Compounds were added as PBTs for RY2001.

Certain reporting exemptions, such as the de minimis exemption, do not apply to PBT chemicals, and facilities are no longer allowed to use range codes or the Form A for PBT chemicals. Range codes allow facilities to provide a letter code for releases ranging from 0 to 1,000 pounds.

Reporting for PBT chemicals began with the 2000 reporting year. Individual sections of

this report will discuss these chemicals and their reported releases in more detail.

Dioxin and dioxin-like compounds (DLCs) are a unique category of PBT chemicals. As seen in Table 2, their reporting threshold is 0.1 grams. A gram is equal to 0.002205 pounds, or one pound equals 453.6 grams. Dioxin and DLCs are created in very small amounts during various manufacturing processes. They are primarily created or manufactured during combustion processes, such as at power plants. More detailed discussion of dioxin and DLCs will be provided later in this report.

### **Lead and Lead Compounds**

On Jan. 17, 2001, EPA issued a ruling in the Federal Register that lowered the reporting threshold for lead and lead compounds to 100 pounds. The ruling also added lead and lead compounds as PBT chemicals. The reporting for lead and lead compounds became effective for the 2001 reporting year. Special emphasis will be given in this report to the reporting of lead and lead compounds.

### **No Changes for RY2003**

There have been no chemical additions or deletions since (RY) 2001, nor have there been any threshold modifications. Therefore releases and chemical management of TRI chemicals for RY2003 should be directly comparable to RY2001 and RY2002.

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# **2003 TRI Data Summary**

In reporting year (RY) 2003, a total of 584 facilities submitted 2,299 Form R or Form A reports. This was a decrease of 18 facilities and a decrease of only 1 report compared to RY2002. The number of facilities reporting from year to year changes due to various reasons. If a company does not use over the threshold of a reportable chemical they are not required to report. This change may be due to changes in production level, changes in materials (substituting a non-TRI chemical for a TRI chemical), or more efficient use of chemicals. The same holds true for the number of reports they submit. These changes are typical and for RY2003 should not have been due to changes in reporting requirements.

All of the TRI data submitted for RY2003 are summarized in Table 3. This table differentiates between the original manufacturing industries and the new non-manufacturing industries to show some of their differences. It also shows a breakdown of all the on-site and off-site releases; off-site transfers for recycling, energy recovery and treatment; and all on-site waste management. The volume of TRI chemicals managed on-site through recycling, energy recovery or treatment stands out in this table, totaling in the hundreds of millions of pounds. More details about on-site waste management will be provided later in this section.

To make it more understandable, the data presented in Table 3 will be discussed in sections by types of wastes managed for both industry groups and then by each industry separately. The data will be compared to RY2002 to see what general trends may be occurring. A list of summary data showing trends over a number of years

is shown in Table 4 and in Figures 1 and 2. A more detailed analysis of trends will be discussed in a later section of this report.

## **On-site and Off-site Releases**

As seen in Table 3, for RY2003, the total on-site and off-site releases for both industry groups totaled 102,528,549 pounds. This was a decrease of 10,698,590 pounds or 9.4 percent less than the amount reported in RY2002. This total included 27,681,968 pounds to the air, 64,025,493 pounds to the land and 2,617,220 pounds to the water. Off-site disposal and transfers of metals to POTWs totaled 8,057,922 and 145,946 pounds, respectively. These quantities are also considered releases to the environment. See Table 3.

Comparing the data for RY2002 and RY2003 showed that this decrease was due entirely to decreases in on-site air, land and water releases by the original industry sector. Total on-site and off-site releases for the original industry totaled 57,739,123 pounds for RY2002 and 46,685,356 pounds for RY2003, a decrease of 11,053,767 pounds, which is greater than the total mentioned above. The new industry group reported a modest total increase for on- and off-site releases of 355,179 pounds, which accounts for the difference.

For the original industry group alone, the above decrease equates to a 19.1 percent reduction in total on- and off-site releases. This is the largest single year decrease for this industry group since 1989. By media, the total on-site decreases were; 1.2 million pounds to the air (5.2 percent), 9.4 million pounds decrease to the land (39.9 percent) and 1.9 million pounds decrease to water (42.1 percent). It was further found that four

companies accounted for this entire decrease. Details about which companies were responsible for these decreases will be discussed further in the Data Analysis section of this report.

Although the companies of the new industry group reported a small total increase for on- and off-site releases, only 355,179 pounds or 0.6 percent, it did show significant changes in on-site air and land releases. Between 2002 and 2003, the group's air releases decreased by 1,739,929 pounds or 23.2 percent and its land releases increased by 2,088,353 pounds or 4.4 percent. The difference of 348,424 pounds accounts for 98 percent of the total change noted above. The most significant factor here is that their air releases decreased by 23.2 percent. Air releases have a much more immediate impact on the environment and human health than on-site land releases. Their off-site releases changed very little. More details about which companies contributed to this decrease will be given in the Data Analysis section.

### **On-site Waste Management**

Looking at Table 3, it can be seen that the volume of wastes managed on-site far exceeds both total releases and off-site waste management. These numbers can also be seen in Table 4 and are plotted in Figure 1.

For RY2003, the total on-site waste management for both industry groups totaled 491.5 million pounds. This was a 100.1 million-pound increase over the RY2002 value of 391.4 million pounds. This increase is reflected in Figure 1 by the sharp upward curve for RY2003. It will be seen that this increase was due primarily to on-site recycling by the original industry group.

It can also be seen in Table 3 that the companies of the original industry group

contribute the most to on-site waste management. The amount they managed through recycling, energy recovery and treatment totaled 479.9 million pounds or 97.6 percent of the total for both industry sectors. The greatest amount of this total was for on-site recycling, 348.3 million pounds or 72.6 percent.

As stated above, the original industries showed a very large increase in on-site recycling. In RY2002 they reported 253.4 million pounds and in RY2003 this value increased to 348.3 million pounds, a 94.9 million-pound or 37.5 percent increase. This is the bulk of the increase noted above. Although source reduction, minimizing the amount of pollution generated, is the preferred management method, recycling or reuse is the next preferred method. Thus this increase is still considered a positive trend. More information about which companies contributed to this increase will be provided in the Data Analysis section of this report.

On-site energy recovery by the companies of the original industry group decreased between 2002 and 2003 by 4.1 million pounds or 4.9 percent. Their on-site treatment, which is the least desirable waste management method before disposal, increased by 3.1 million pounds or 6.5 percent. These changes are both positive and negative. Increases are positive because they represent a better management of toxic chemicals as opposed to releases to the environment or off-site disposal but are negative in that they indicate increased use of toxic chemicals. Decreases are positive because they indicate a decreased amount of toxic chemicals needing additional waste management. They are negative in that this may indicate a lesser amount of chemicals are being managed in a beneficial way.

**Table 3**  
**Missouri**  
**2003 TRI Data Summary**

	Original Industry	New Industry	Totals
No. of Facilities	527	57	584
No. of Form "R" Reports	1579	346	1925
No. of Form "A" Certifications	303	71	374
Total Submissions	1882	417	2299
No. of Facilities reporting Dioxin and DLCs <sup>(1)</sup>	20	17	37
<b>On-site Releases (pounds)</b>			
Air	21,914,830	5,767,138	27,681,968
Land	14,134,038	49,891,455	64,025,493
Water	2,582,666	34,554	2,617,220
<b>Sub Total of On-site Releases</b>	<b>38,631,534</b>	<b>55,693,147</b>	<b>94,324,681</b>
On-site Releases of Dioxin and DLCs (grams)	(28.65079)	(14.96550)	(43.61629)
<b>Off-site Releases (pounds)</b>			
Transfer for Disposal <sup>(2)</sup>	7,908,024	149,898	8,057,922
POTW <sup>(3)</sup> (Metals) <sup>(4)(8)</sup>	145,798	148	145,946
<b>Sub Total of Off-site Releases</b>	<b>8,053,822</b>	<b>150,046</b>	<b>8,203,868</b>
Off-site Releases of Dioxin and DLCs (grams)	(0.12736)	0.00000	(0.12736)
<b>Total On-site &amp; Off-site Releases<sup>(7)</sup></b>	<b>46,685,356</b>	<b>55,843,193</b>	<b>102,528,549</b>
Total On-site & Off-site Releases of Dioxin and DLCs (grams)	(28.77815)	(14.96550)	(43.74365)
<b>On-site Waste Mgmt. (pounds)</b>			
Recycle	348,340,136	627	348,340,763
Energy Recovery	80,750,802	0	80,750,802
Treatment	50,761,325	11,648,266	62,409,591
<b>Total On-site Waste Management<sup>(7)</sup></b>	<b>479,852,263</b>	<b>11,648,893</b>	<b>491,501,156</b>
Total On-site Waste Mgmt. of Dioxin and DLCs (grams)	0.00000	0.00000	0.00000
<b>Off-site Waste Management (pounds)</b>			
Recycle	38,557,440	1,601,695	40,159,135
Energy Recovery	11,418,309	192,151	11,610,460
Treatment	8,035,137	96,720	8,131,857
POTW <sup>(3)</sup> (non-Metals) <sup>(5)</sup>	5,870,484	62	5,870,546
<b>Total Off-site Waste Management<sup>(7)</sup></b>	<b>63,881,370</b>	<b>1,890,628</b>	<b>65,771,998</b>
Total Off-site Waste Mgmt. of Dioxin and DLCs (grams)	(652.01170)	0.00000	(652.01170)
<b>Total Production-Related Wastes Managed<sup>(6)(7)</sup></b>	<b>590,418,989</b>	<b>69,382,714</b>	<b>659,801,703</b>
Total Production-Related Mgmt. Of Dioxin & DLCs (grams)	(680.78985)	(14.96550)	(695.75535)

Source: Missouri TRI Database - 2003 data

(1) DLCs stands for dioxin-like copounds.

(2) This includes both in-state and out-of-state disposal.

(3) POTW stands for publicly owned treatment works. This is the sewage plant.

(4) Metals and metal compounds cannot be treated at POTWs and therefore are considered releases to the environment.

(5) Organic chemicals (non-metals) can be treated or broken down at POTWs and are considered off-site treatment .

(6) The sum of Total Releases and Total On- and Off-site Waste Management.

(7) These totals do not include dioxin and dioxin-like compounds (DLCs).

(8) Includes the PBT metals; mercury and lead.

### **On-site Waste Management (Cont.)**

The new industry group does very little on-site recycling or energy recovery as can be seen in Table 3, 627 pounds and zero (0) pounds, respectively. And there was essentially no change in these numbers from RY2002. However, the amount they treated on-site did change substantially.

In RY2002, the new industry group reported on-site treatment of 5.5 million pounds of TRI wastes. In RY2003 they reported 11.6 million pounds. This is a 6.1 million-pound increase or more than a two fold (214 percent) change. But as stated above, an increase such as this can indicate both a positive or negative trend. More details about this increase and which facilities caused this increase will be given in the Data Analysis section of this report.

### **Off-site Waste Management**

Off-site waste management totals showed a decrease for RY2003 of 7.8 million pounds, or 10.6 percent. This is in addition to the 7.9 percent decrease between RY2001 and RY2002, reported last year. These totals can also be seen in Table 4 and are plotted in Figures 1 and 2.

While the new industry totals stayed approximately the same, there were significant changes in the original industry totals. The original industries again account for the majority of the total waste managed in this category. See Table 3.

For RY2003 the original industries reported managing 38.6 million pounds off-site for recycling, 11.4 million pounds for energy recovery and 8 million pounds as off-site treatment. They reported transferring 5.9 million pounds of non-metal chemicals to POTWs. All of these values were decreases from RY2002, except for off-site treatment. The changes were as follows: off-site recycling decreased by 7.6 million pounds

or 16.5 percent, energy recovery decreased by 1.1 million pounds or 8.8 percent, off-site treatment increased by 2.3 million pounds or 38.9 percent and POTW non-metals decreased by 1.3 million or 17.8 percent. The overall result was a decrease in off-site waste management by the original industry of 7.8 million pounds or a 10.8 percent decrease. Because the new industry group had a decrease of only 0.7 percent or 13,149 pounds, the change reflected in the numbers shown in Table 4 and in Figures 1 and 2 are essentially due entirely to the original industry changes.

### **Total Production-Related Wastes**

For RY2003, the total production-related wastes managed, which is the sum of all of the on-site and off-site releases and all the wastes managed on-site and off-site, came to 659,801,703 pounds. See Table 3. This was an increase of 81.7 million pounds or 14.1 percent over the total amount reported in RY2002.

The two most significant factors that contributed to this change are the 11.0 million-pound decrease in on-site releases and the 94.9 million-pound increase in on-site recycling, both by the original industry group. The difference between these two numbers comes to 83.9 million pounds, almost the exact value of the increase noted above. The remaining difference is due to the various increases and decreases noted previously.

The close correlation between the total production related wastes and the wastes managed on-site can be seen graphically in Figure 1. The top two curves represent these two values, respectively. It is clear in this Figure that they are going up and down together. In RY2002 there had been a large decrease and now in RY2003 the curve has gone back up to approximately the RY2001 value. The fact that the upper curve, total

production wastes, did not go up quite as much as the on-site wastes managed, was due to the decreases in the other two curves at the bottom of Figure 1, Total On- and Off-site Releases and Total Off-site Waste Managed.

More details about which companies contributed to this and the other changes noted above will be discussed further in the following Data Analysis section of this report.

More information about on- and off-site releases and on- and off-site waste management is also provided in Appendix C of this report. This appendix is entitled, “2003 TRI Releases and Waste Management by County by Company.” It sorts the data first by county, then by company and then by chemical. Thus a great deal of information about which companies reported for which chemicals in your county can be found in this appendix. It lists which chemicals each company reported and how much they released on- and off-site or managed on- and off-site through recycling, energy recovery or treatment.

### **Dioxin and Dioxin-Like Compounds**

The last category to be discussed in this section is Dioxin and Dioxin-Like Compounds (DLCs). First note that the numbers shown in Table 3 for dioxin and DLCs are in grams not pounds. A gram is a very small fraction of a pound. One gram equals 0.0022 pounds or only 0.035 ounces.

Also in Table 3, the values for this category are only listed as sums for each section. This was done in order to minimize the complexity of the table.

One might note that only 37 facilities reported for dioxin and DLCs in RY2003. This was very similar to the 38 that reported in RY2002. Also, the number of facilities

are pretty evenly split between the new and old industries, 17 and 20, respectively, see Table 3.

The main things to be pointed out here, however, are the changes in Total On- and Off-site Releases and the Total Off-site Waste Management. For RY2002 the on- and off-site releases totaled 66.73660 grams. For RY2003 this value was 43.74365 grams, a decrease of 22.99295 grams or 34.5 percent. This is a very positive change because releases to the environment are our primary concern.

However, the off-site waste management values showed a large increase. In RY2002 the total off-site waste management was 327.7750 grams. For RY2003, it was 652.01770 grams, an increase of 324.2367 grams, a 98.9 percent increase, essentially doubling. However, this waste management is not a release to the environment. A cursory review of the data shows that some of this material was burned for energy recovery (501.2947 grams) and the rest (150.1827 grams) was treated for destruction.

A whole section will be devoted to dioxin and dioxin-like compounds later in this report. More details about which companies reported for dioxin and how they managed it will be discussed further in that section

### **Summary**

In summary, in spite of the various increases and decreases noted in this section, the most important observation is that although the total production-related wastes managed increased substantially, see Figure 1, the total on- and off-site releases have continued to decrease, see Figure 2.

If at any point you have questions about the TRI data presented here or would like more detailed information, please contact the department's Environmental Assistance Office at either 1-800-361-4827 or locally at (573) 526-6627.

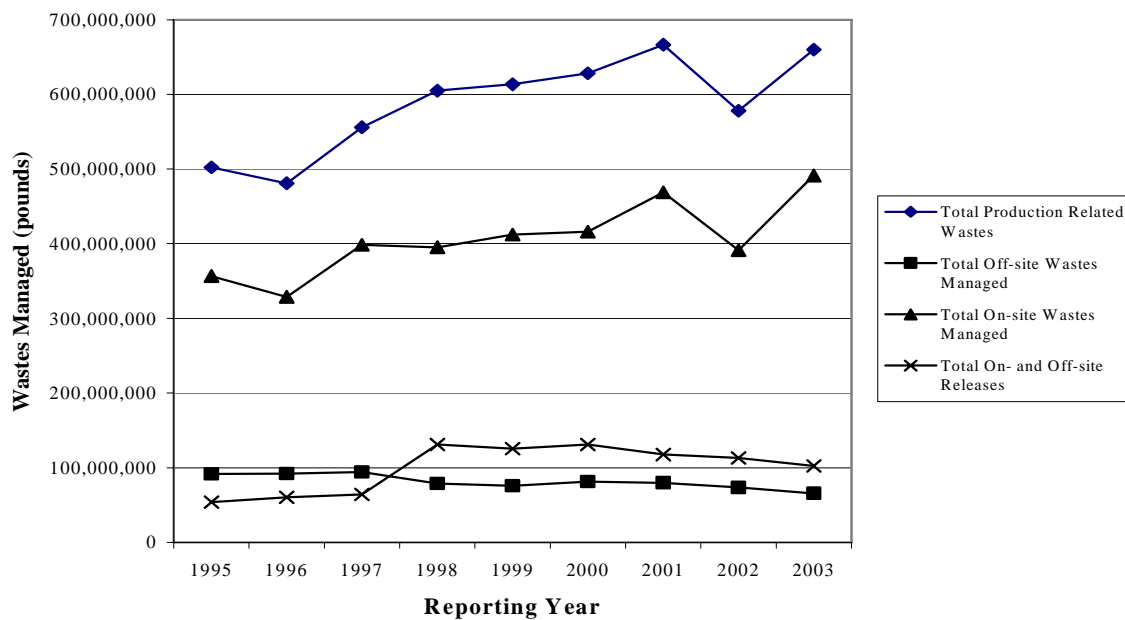
**Table 4**  
**Missouri**  
**Total Production Related Wastes Managed by Year**  
**Both Industry Groups**

(Units are in pounds)

R Y	Total On- and Off site Releases	Total On-site Wastes Managed	Total Off-site Wastes Managed	Total Production Related Wastes
1995	53,829,304	356,732,648	91,802,509	502,340,245
1996	60,433,432	328,995,276	92,029,025	481,197,359
1997	64,329,223	398,560,754	94,235,096	555,946,511
1998	130,967,091	395,439,319	78,531,012	604,836,187
1999	125,400,449	412,385,880	75,561,492	613,347,821
2000	130,835,669	416,063,072	81,451,114	628,349,855
2001	117,732,946	468,912,732	79,839,955	666,485,633
2002	113,227,139	391,374,539	73,538,499	578,140,177
2003	102,528,549	491,501,156	65,771,998	659,801,703

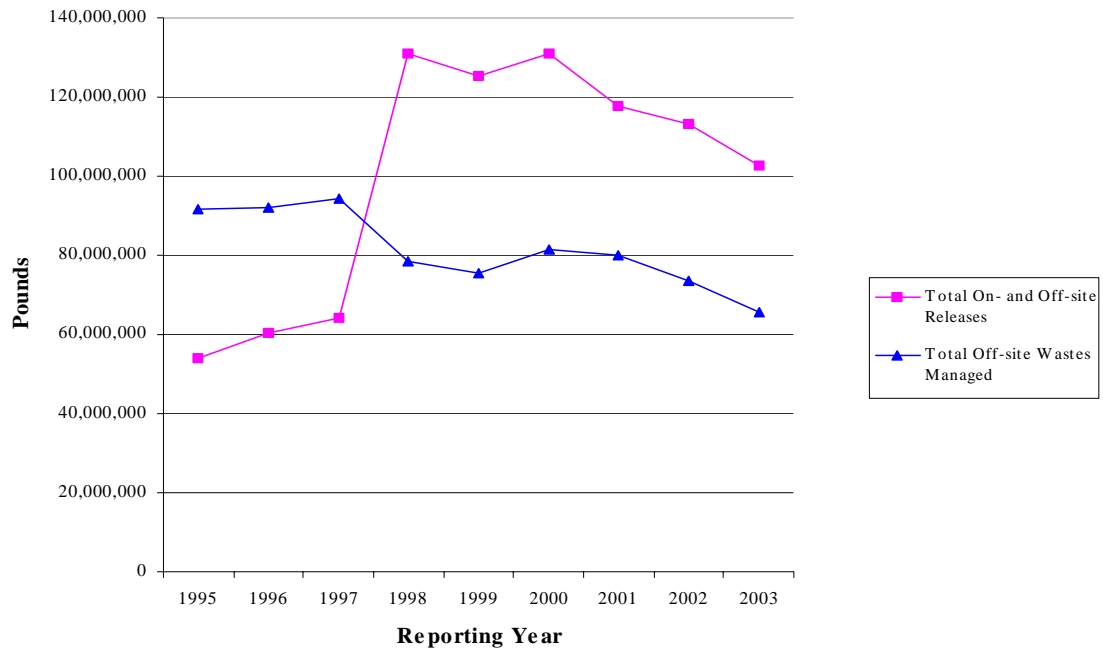
Source: Missouri TRI Database

**Figure 1. Missouri Total Production Related Wastes Managed  
Both Industry Groups**





**Figure 2. Total Releases & Off-site Waste Management  
Both Industry Groups**



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# **TRI Data Analysis**

There are many ways to look at the TRI data. One can look at releases by industry sector, by media, by the largest releases by chemical or by facility, or total wastes managed, to name a few. Some of these different ways are discussed in the following sections of this report. It is hoped that these discussions will help citizens understand the TRI data, how it can be used, and how it impacts their communities. More details about some of the large changes noted in the previous Data Summary section will also be discussed.

Appendix C, entitled “2003 TRI Releases and Waste Management by County by Company,” provides a listing of all on-site and off-site releases and all on- and off-site waste management by county, by company and then by chemical. If more information about releases or waste management by an individual company is desired, please review this appendix or call the Environmental Assistance Office (EAO) at (573) 526-6627 or 1-800-361-4827.

## **Releases by Industry Sector**

Table 5 provides a summary listing of all the on-site and off-site releases by industry sector. An industry sector is defined as a range of the four digit SIC code. For example, SIC Code 28 in Table 5 stands for all companies having an SIC code between 2800 and 2899. A description of what type of product each sector produces is shown in the Sector Description.

As can be seen, the data in Table 5 is sorted by SIC code. The original industries are those with SIC codes 20 through 39 including 9711 (federal facilities). The new industries are segregated at the top (10 and 12) and bottom (49-73) simply because this is where their SIC codes fall.

Table 5 also shows how many companies make up each sector. For example, the Chemical and Allied Products sector, SIC code 28, consists of 95 facilities which submitted a total of 395 Form R reports and 94 Form A certification letters. This sector's total on- and off-site releases were 9,949,456 pounds, see Table 5. Thus it would appear there is a relationship between the number of facilities that report and the amount of releases. However this does not always hold true. In the Metal Mining sector, SIC code 10, only four facilities reported releasing 41,397,146 pounds, the most of any single sector.

Another way of looking at this data is by observing the sub-totals at the bottom of Table 5. It can be seen that a large percentage of releases are to the air 27,681,969 pounds, or 27.0 percent of the total and 64,025,494 pounds to the land, or 62.4 percent. A relatively small percentage are water releases (2,617,219 pounds or only 2.6 percent). Off-site disposal is fairly significant at 8,057,923 pounds or 7.9 percent.

In order to make it easier to see which sectors contribute the greatest amount of releases, the data in Table 5 is re-tabulated in Table 6. In this table the Total On- & Off-site Releases are sorted in descending order, which makes it very clear which industry sectors are reporting the greatest releases.

Table 6 shows that a relatively few industry sectors are responsible for the majority of releases. Three industry sectors stand out, with reported releases in the tens of millions of pounds. These are the metal mining (SIC 10xx) industry, the primary metal products

industry (SIC 33xx) and the electric utilities (SIC 49xx). These three sectors together account for 75,025,261 pounds of releases or 73.2 percent of the total. This is almost exactly the same percentage as in RY2002, 73.6 percent, in spite of the fact that the total was 8,358,517 pounds less. Also note that most of these releases are “land” releases, especially for the metal mines and the primary metal products sectors. The electric utilities reported similar amounts for both air and land.

Two of these industries are closely related. The metal mining industry, which this year is made up of four lead mines located in southeast Missouri, supply the lead ore that is processed in the Doe Run Company smelters located in Herculaneum and Glover, Mo. The Doe Run Company smelters are not the only facilities in the primary metals industry (SIC 33xx), but they contribute a major portion of this industry’s releases.

There are seven other industry sectors that make up a significant portion of the releases with reported releases over a million pounds each. These are the next seven industries in Table 6. They are listed here as follows:

- Chemical and Allied Products 9,949,456 lbs.
- Transportation Equipment 5,118,565 lbs.
- Food Products 3,389,026 lbs.
- Rubber & Plastic Products 2,448,870 lbs.
- Stone, Clay, Glass & Concrete 2,386,267 lbs.
- Fabricated Metal Products 1,413,286 lbs.
- Federal Facilities 1,074,294 lbs.

Together, these seven sectors account for an additional 25,779,764 pounds, or 25.1 percent of the total. Thus, these seven sectors, combined with the electric utilities, metal mining and primary metal product industries, account for 100,805,025 pounds or 98.3 percent of all the releases reported.

Note also in Tables 5 and 6 that the metal mining industry (SIC 10xx) and the electric utilities (SIC 49xx) account for more than 99.8 percent of all the releases for the new industry sectors. As was shown previously in Table 3, the total on- and off-site releases for the new industry sectors was approximately 55.8 million pounds. The totals for the metal mines and electric utilities total just over 55.7 million pounds. And the metal mines contribute a major portion of this sum, 41.4 million pounds.

One final way to look at the sector data is to compare it to the RY2002 data. Table 7, on page 22, shows a listing of both the 2002 and 2003 totals for on-site and off-site releases, similar to Tables 5 and 6. However, the difference between the two years is shown in the last column, which is sorted in descending order. Positive numbers indicate increases and negative numbers indicate decreases, thus large increases are shown at the top and large decreases at the bottom. As can be seen, there were some relatively large increases, specifically in the Metal Mining industry and even larger decreases in the Primary Metal Products and Food Products industries. As shown by the large negative total, the number of decreases far outweighed the increases.

**Table 5**  
**Missouri 2003 Data**  
**On-site & Off-site Releases by Industry Sector<sup>(4)</sup>**

SIC Code	Industry Sector Description	No. of Facilities	No. of Reports <sup>(2)(4)</sup>		On-site Releases			Off-site Releases		On- & Off-site
			Form Rs	Form As	AIR	LAND	WATER	POTW - METALS <sup>(3)</sup>	DISPOSAL	TOTAL
10	Metal Mining <sup>(1)</sup>	4	15	0	133,865	41,245,447	17,834	0	0	41,397,146
12	Coal Mining <sup>(1)</sup>	0	0	0	0	0	0	0	0	0
20	Food Products	55	68	56	1,450,784	10,878	1,914,709	130	12,525	3,389,026
21	Tobacco Products	0	0	0	0	0	0	0	0	0
22	Textile Products	1	1	0	347	0	0	0	0	347
23	Apparel & Other Finished Fabric Products	0	0	0	0	0	0	0	0	0
24	Lumber & Wood Products	10	16	8	71,260	0	0	0	3,624	74,884
25	Furniture & Fixtures	8	13	0	43,088	5	0	0	189	43,282
26	Paper & Allied Products	2	3	1	5	0	1	4	2	12
27	Printing, Publishing & Allied Products	10	10	0	40,350	0	0	1	1,708	42,059
28	Chemical and Allied Products	95	395	94	8,919,655	121,944	651,935	12,913	243,009	9,949,456
29	Petroleum Refining & Related Industries	11	21	18	35,062	2,009	5	0	9,871	46,947
30	Rubber & Plastic Products	54	115	19	2,050,926	1,555	21	131	396,237	2,448,870
31	Leather & Leather Products	4	9	0	15,610	0	0	26,608	91,716	133,934
32	Stone, Clay, Glass & Concrete Products	42	177	24	1,610,197	740,755	5	0	35,310	2,386,267
33	Primary Metal Products	49	139	21	1,128,821	12,099,729	819	6,535	6,044,231	19,280,135
34	Fabricated Metal Products	66	195	28	1,072,796	821	14,431	5,425	319,813	1,413,286
35	Industrial & Commercial Machinery	36	91	11	417,058	13	629	2,597	35,553	455,850
36	Electrical Equipment & Components	38	98	2	207,750	543	19	24,120	423,984	656,416
37	Transportation Equipment	38	186	16	4,768,327	43	91	67,325	282,779	5,118,565
38	Measurement, Analytical, Photographic Equip.	5	5	2	6	82,325	0	2	1	82,334
39	Miscellaneous Manufacturing	3	8	3	81,926	0	0	0	7,466	89,392
9711	Federal Facilities	4	9	0	862	1,073,418	0	7	7	1,074,294
49	Electric Utilities (4911, 4931 & 4939 only) <sup>(1)</sup>	20	168	1	5,562,309	8,646,001	16,710	137	122,823	14,347,980
4953	Treatment, Storage, Disposal Facilities <sup>(1)</sup>	2	3	0	2	0	0	9	26,184	26,195
5169	Chemical Distributors <sup>(1)</sup>	17	61	62	51,599	0	0	0	635	52,234
5171	Petroleum Bulk Plants/Terminals <sup>(1)</sup>	9	67	8	19,333	8	10	2	256	19,609
7389	Solvent Recovery Facilities <sup>(1)</sup>	5	15	0	31	0	0	0	0	31
Source: Missouri TRI Database - 2003 data      Totals =		584	1,888	374	27,681,969	64,025,494	2,617,219	145,946	8,057,923	102,528,551

(All units are in pounds.)

(1) New Industry Sectors that started reporting in 1998.

(2) Number of Form Rs or Form As submitted.

(3) Discharges of metals to POTWs are considered releases to the environment.

(4) None of the values for submissions or releases include Dioxin or Dioxin-like Compounds.

**Table 6**  
**Missouri 2003 Data**  
**On-site & Off-site Releases by Industry Sector<sup>(4)</sup>**  
**Sorted by Total Releases**

SIC Code	Industry Sector Description	No. of Facilities	No. of Reports <sup>(2)(4)</sup>		On-site Releases			Off-site Releases		On- & Off-site
			Form Rs	Form As	AIR	LAND	WATER	POTW - METALS <sup>(3)</sup>	DISPOSAL	TOTAL
10	Metal Mining <sup>(1)</sup>	4	15	0	133,865	41,245,447	17,834	0	0	41,397,146
33	Primary Metal Products	49	139	21	1,128,821	12,099,729	819	6,535	6,044,231	19,280,135
49	Electric Utilities (4911, 4931 & 4939 only) <sup>(1)</sup>	20	168	1	5,562,309	8,646,001	16,710	137	122,823	14,347,980
28	Chemical and Allied Products	95	395	94	8,919,655	121,944	651,935	12,913	243,009	9,949,456
37	Transportation Equipment	38	186	16	4,768,327	43	91	67,325	282,779	5,118,565
20	Food Products	55	68	56	1,450,784	10,878	1,914,709	130	12,525	3,389,026
30	Rubber & Plastic Products	54	115	19	2,050,926	1,555	21	131	396,237	2,448,870
32	Stone, Clay, Glass & Concrete Products	42	177	24	1,610,197	740,755	5	0	35,310	2,386,267
34	Fabricated Metal Products	66	195	28	1,072,796	821	14,431	5,425	319,813	1,413,286
9711	Federal Facilities	4	9	0	862	1,073,418	0	7	7	1,074,294
36	Electrical Equipment & Components	38	98	2	207,750	543	19	24,120	423,984	656,416
35	Industrial & Commercial Machinery	36	91	11	417,058	13	629	2,597	35,553	455,850
31	Leather & Leather Products	4	9	0	15,610	0	0	26,608	91,716	133,934
39	Miscellaneous Manufacturing	3	8	3	81,926	0	0	0	7,466	89,392
38	Measurement, Analytical, Photographic Equip.	5	5	2	6	82,325	0	2	1	82,334
24	Lumber & Wood Products	10	16	8	71,260	0	0	0	3,624	74,884
5169	Chemical Distributors <sup>(1)</sup>	17	61	62	51,599	0	0	0	635	52,234
29	Petroleum Refining & Related Industries	11	21	18	35,062	2,009	5	0	9,871	46,947
25	Furniture & Fixtures	8	13	0	43,088	5	0	0	189	43,282
27	Printing, Publishing & Allied Products	10	10	0	40,350	0	0	1	1,708	42,059
4953	Treatment, Storage, Disposal Facilities <sup>(1)</sup>	2	3	0	2	0	0	9	26,184	26,195
5171	Petroleum Bulk Plants/Terminals <sup>(1)</sup>	9	67	8	19,333	8	10	2	256	19,609
22	Textile Products	1	1	0	347	0	0	0	0	347
7389	Solvent Recovery Facilities <sup>(1)</sup>	5	15	0	31	0	0	0	0	31
26	Paper & Allied Products	2	3	1	5	0	1	4	2	12
12	Coal Mining <sup>(1)</sup>	0	0	0	0	0	0	0	0	0
21	Tobacco Products	0	0	0	0	0	0	0	0	0
23	Apparel & Other Finished Fabric Products	0	0	0	0	0	0	0	0	0
Source: Missouri TRI Database - 2003 data      Totals =		584	1,888	374	27,681,969	64,025,494	2,617,219	145,946	8,057,923	102,528,551

(All units are in pounds.)

(1) New Industry Sectors that started reporting in 1998.

(2) Number of Form Rs or Form As submitted.

(3) Discharges of metals to POTWs are considered releases to the environment.

(4) None of the values for submissions or releases include Dioxin or Dioxin-like Compounds.

**Table 7**  
**Missouri 2002 & 2003 Data**  
**Comparison of 2002 and 2003 Total On- & Off-site Releases by Industry Sector**

Index Number	2003 Total On- & Off-site Releases	2002 Total On- & Off-site Releases	SIC Code	Industry Sector Description	Change: 2003 minus 2002
1	41,397,146	40,143,546	10	Metal Mining <sup>(1)</sup>	1,253,600
11	9,949,456	9,157,362	28	Chemical and Allied Products	792,094
23	1,074,294	300,856	9711	Federal Facilities	773,438
15	2,386,267	2,011,198	32	Stone, Clay, Glass & Concrete Products	375,069
21	82,334	7	38	Measurement, Analytical, Photographic Equip.	82,327
8	43,282	13,581	25	Furniture & Fixtures	29,701
14	133,934	105,398	31	Leather & Leather Products	28,536
25	26,195	6,556	4953	Treatment, Storage, Disposal Facilities <sup>(1)</sup>	19,639
7	74,884	56,612	24	Lumber & Wood Products	18,272
5	347	306	22	Textile Products	41
28	31	18	7389	Solvent Recovery Facilities <sup>(1)</sup>	13
2	0	0	12	Coal Mining <sup>(1)</sup>	0
4	0	0	21	Tobacco Products	0
6	0	0	23	Apparel & Other Finished Fabric Products	0
9	12	18	26	Paper & Allied Products	-6
10	42,059	43,452	27	Printing, Publishing & Allied Products	-1,393
12	46,947	48,944	29	Petroleum Refining & Related Industries	-1,997
22	89,392	93,765	39	Miscellaneous Manufacturing	-4,373
27	19,609	30,921	5171	Petroleum Bulk Plants/Terminals <sup>(1)</sup>	-11,312
26	52,234	104,335	5169	Chemical Distributors <sup>(1)</sup>	-52,101
18	455,850	564,501	35	Industrial & Commercial Machinery	-108,651
19	656,416	876,284	36	Electrical Equipment & Components	-219,868
17	1,413,286	1,634,336	34	Fabricated Metal Products	-221,050
20	5,118,565	5,939,097	37	Transportation Equipment	-820,532
24	14,347,980	15,202,624	49	Electric Utilities (4911, 4931 & 4939 only) <sup>(1)</sup>	-854,644
13	2,448,870	3,334,017	30	Rubber & Plastic Products	-885,147
3	3,389,026	5,521,727	20	Food Products	-2,132,701
16	19,280,135	28,037,608	33	Primary Metal Products	-8,757,473
Totals =	102,528,551	113,227,069			-10,698,518

(All units are in pounds.)

Source: Missouri TRI Database - 2002 & 2003 data

## **Top Forty (40) Chemicals**

Another way to look at the TRI data is by the types and numbers of chemicals reported. In Missouri, companies reported releases of 198 different chemicals in reporting year 2003. Table 8 is a listing of the top 40 of these chemicals. The table shows the sum total for a given chemical reported by all facilities for RY2003. The chemicals are sorted in descending order by the total pounds of releases.

These Top Forty (40) Chemicals account for 99.2 percent of the total releases reported in RY20003. They account for 97.8 percent of the air releases, 99.9 percent of the land releases and 99.9 percent of the water releases.

As seen in Table 8, the top two chemicals are zinc compounds (26,477,434 pounds) and lead compounds (25,145,345 pounds). These two greatly exceed the amounts of the other chemicals by tens of millions of pounds and are primarily land releases or off-site disposals. Detailed review of the data shows that these compounds are primarily releases reported by the four (4) metal mines in southeast Missouri and the two Doe Run smelters in Herculaneum and Glover, Mo. These six facilities account for 92.0 percent of the zinc compounds releases and 81.1 percent of the lead compounds. The Doe Run Recycling facility in Boss, Mo., accounts for an additional 4.4 million pounds of off-site disposal of lead compounds, which brings the percentage for these seven facilities to 98.6 percent of the total.

Methanol is the next greatest reported chemical at 7,875,613 pounds. Note that the 489,842 pounds transferred to the POTW is not included in this total because organic chemicals are considered treated and destroyed at a POTW. Review of the TRI data shows that the majority of the air

releases of methanol were reported by four charcoal kilns (SIC2861) in southeast Missouri. All four kilns are operated by Royal Oak Enterprises and are located in Ellsinore, Summersville, Raymondville, and Salem, Mo. The Raymondville facility is new for the 2003 reporting year. These four charcoal kilns account for 7.4 million pounds of the methanol air emissions reported, or 93.8 percent of the total.

The electric utilities, (SIC49xx), contribute significant portions of the releases of several of the top chemicals, specifically the barium compounds (99.2 percent), hydrochloric acid “aerosols” (57.7 percent), hydrogen fluoride (87.3 percent) and sulfuric acid “aerosols” (67.2 percent). Note that most of these chemicals are reported as air releases except the barium compounds, which are primarily land releases.

Review of the data showed that the portion of hydrochloric acid (HCL) releases contributed by the electric utilities was significantly higher in RY2002 than in RY2003. Further review showed that two of the utilities, the AmerenUE Sioux Plant in West Alton and the AmerenUE Meramec Plant in St. Louis, had reduced their air releases of HCL by large amounts. In RY2002 the Sioux Plant had reported 1,308,543 pounds of HCL “aerosol” releases and in RY2003 they reported only 418,553 pounds, a 68.0 percent decrease. The Meramec Plant reported 897,959 pounds in RY2002 and only 57,885 pounds in RY2003, a 93.6 percent decrease. Contact with AmerenUE revealed that these reductions were achieved by a change in the type of coal being burned, which has a much lower chlorine content. Jennifer Spalding with AmerenUE said that this change was prompted by both economic and environmental concerns, specifically as an effort to reduce sulfur emissions but



with an even greater benefit of reducing HCL emissions. These reductions are very positive for the environment.

The final chemical to be discussed from Table 8 is nitrate compounds. For RY2003 these totaled 2,415,945 pounds, of which the greater part were water releases. Note again that there was a large amount transferred to POTWs, 2,440,385 pounds, which is not included in the Total Releases. This is because of the same reason noted above. Review of the data shows that two companies, Tyson Foods in Sedalia, and Dyno Nobel in Louisiana, Mo., account for the major portion of these releases, 1,564,607 pounds or 64.7 percent and 555,000 pounds or 23.0 percent, respectively. Together these two companies accounted for 2,119,607 pounds or 87.7 percent of the total. However, it was also noted during the data review that Tyson foods had released 1,833,456 pounds less in RY2003 than in RY2002. This was a 54.0 percent decrease. Dyno Nobel had actually shown an increase of 156,000 pounds or 39.1 percent over their RY2002 reported quantity.

As stated above, Tyson Foods reported a large decrease between RY2002 and RY2003, however, this reduction was not voluntary. Reduction in their nitrate compound releases was part of a requirement for Tyson to implement an environmental management system (EMS) by the U.S. EPA, Region 7, which was part of an enforcement agreement. However, Tyson has made great progress in reducing their releases and this is very positive for the environment.

### **Top 40 Chemicals versus RY2002**

Table 9 lists the top 40 chemicals with the same ranking as above based on Total Releases, but with a comparison to the RY2002 data. As can be seen in the last

column, there are several chemicals that have shown large decreases (<) and a few with smaller but significant increases (\*). A few of these changes have been discussed above, specifically that for nitrate compounds and hydrochloric acid “aerosols.” The large increase in methanol, shown in Table 9, was due mainly to the start-up of production at the charcoal kiln in Raymondville, Mo.

There was a very large decrease noted in zinc compound releases of 6,159,059 pounds. Examination of the data shows that this was due primarily to decreases by the Doe Run Herculaneum and Glover smelters. The Herculaneum smelter showed a decrease of 4,866,791 pounds compared to RY2002, or 48.9 percent and the Glover smelter showed a decrease of 1,417,714 pounds, or 38.4 percent. Together these two facilities showed a 6.29 million-pound decrease of zinc compounds, which is greater than the amount shown in Table 9. Contact with the smelters showed that these decreases were due to two factors. One was that there is a lower zinc content in the raw ore. The second is that the slag containing the zinc is being recycled into the feed stock and is no longer disposed of as waste.

As can also be seen in Table 9, the volume of decreases far outweigh the increases as indicated by the negative sum of 10,397,317 pounds. This sum is 97.2 percent of the total decrease noted in the Summary section reported previously. Therefore the changes shown in Table 9 account for almost all of the changes reported.

Space does not permit discussion of all the changes noted in Table 9, however, if you would like more detail about a specific chemical please contact the Environmental Assistance Office at 1-800-361-4827 or 573-526-6627.

**Table 8**  
**Top Forty (40) Chemicals Reported in Missouri in RY2003**

	ON-SITE RELEASES			OFF-SITE RELEASES		
CHEMICAL NAME	AIR	LAND	WATER	POTW <sup>(1)</sup>	DISPOSAL	TOTAL <sup>(1)</sup>
ZINC COMPOUNDS	553,007	25,138,975	15,374	68,052	702,026	26,477,434
LEAD COMPOUNDS	223,255	20,405,171	3,008	1,166	4,513,911	25,145,345
METHANOL	7,875,144	5	197	489,842	267	7,875,613
BARIUM COMPOUNDS	168,729	6,637,807	12,150	3	139,526	6,958,216
COPPER COMPOUNDS	17,730	5,577,786	1,674	1,144	82,715	5,681,049
HYDROCHLORIC ACID ("ACID AEROSOLS" ONLY)	3,224,821	5	0	5	0	3,224,826
ALUMINUM (FUME OR DUST)	6,627	2,425,093	0	0	104,000	2,535,720
NITRATE COMPOUNDS	1,024	1,528	2,409,312	2,440,385	4,081	2,415,945
HYDROGEN FLUORIDE	2,315,016	0	0	0	0	2,315,016
XYLENE (MIXED ISOMERS)	1,892,014	0	5	288	2,131	1,894,150
CERTAIN GLYCOL ETHERS	1,383,483	1,961	0	181,917	58,611	1,444,055
SULFURIC ACID ("ACID AEROSOLS" ONLY)	1,360,135	5	0	5	0	1,360,140
1-CHLORO-1,1-DIFLUOROETHANE	1,118,816	0	0	0	0	1,118,816
COPPER	7,438	865,704	424	7,005	231,289	1,111,861
MANGANESE COMPOUNDS	15,772	541,616	3,118	63,595	376,925	1,001,026
TOLUENE	982,866	805	33	2,430	1,340	985,044
STYRENE	815,667	0	0	0	2,457	818,124
AMMONIA	604,764	10,580	168,151	2,046,165	22,046	805,541
ANTIMONY COMPOUNDS	710	20,281	266	5	759,821	781,083
CHROMIUM COMPOUNDS	10,983	542,276	84	649	211,863	765,855
NICKEL COMPOUNDS	6,023	664,090	235	2,088	74,647	747,083
N-HEXANE	729,838	2	0	333	250	730,090
METHYL ETHYL KETONE	650,546	0	0	5	41	650,587
N-BUTYL ALCOHOL	581,078	0	0	44,524	812	581,890
METHYL ISOBUTYL KETONE	542,428	5	5	15,178	1,038	543,476
1,2,4-TRIMETHYLBENZENE	463,890	6	5	250	3,574	467,475
COBALT COMPOUNDS	1,180	447,884	37	0	5	449,106
TRICHLOROETHYLENE	363,135	0	0	12	897	364,032
ETHYLBENZENE	353,856	0	0	258	595	354,451
CHLORODIFLUOROMETHANE	324,836	0	0	0	2,500	327,336
LEAD	7,773	295,786	117	122	23,093	326,769
VANADIUM COMPOUNDS	7,672	289,761	0	0	5	297,438
CHROMIUM	5,962	15	285	288	242,472	249,021
ZINC (FUME OR DUST)	14,952	132,365	0	0	80,336	227,653
NICKEL	4,950	904	292	1,256	161,756	169,158
BENZENE	155,205	0	0	17	0	155,205
DI(2-ETHYLHEXYL) PHTHALATE	16,271	750	5	66	110,917	127,943
N-METHYL-2-PYRROLIDONE	115,799	5	5	76,906	65	115,874
NAPHTHALENE	72,626	5	11	5	43	72,685
PHENOL	64,315	0	0	1,664	0	64,315
Sub Totals=	27,060,336	64,001,176	2,614,793	5,445,629	7,916,055	101,736,447

Source: Missouri TRI Database - 2002 data

(All units are in pounds.)

(1) These numbers include transfers of non-metals to POTWs, but transfers of non-metals to POTWs are considered off-site treatment, not releases to the environment, and are NOT included in the Total Releases column.

**Table 9**  
**Comparison of Total Releases of Top 40 Chemicals**  
**for RY2002 to RY2003**

2003 Rank	CHEMICAL NAME	2003 Total Releases	2002 Total Releases	2002 Rank	Change: 2003 - 2002
1	ZINC COMPOUNDS	26,477,434	32,636,493	1	-6,159,059
2	LEAD COMPOUNDS	25,145,345	25,783,084	2	-637,739
3	METHANOL	7,875,613	6,937,207	4	938,406
4	BARIIUM COMPOUNDS	6,958,216	6,997,008	3	-38,792
5	COPPER COMPOUNDS	5,681,049	5,428,350	5	252,699
6	HYDROCHLORIC ACID ("ACID AEROSOLS" ONLY)	3,224,826	4,514,868	6	-1,290,042
7	ALUMINUM (FUME OR DUST)	2,535,720	3,992,385	8	-1,456,665
8	NITRATE COMPOUNDS	2,415,945	4,341,984	7	-1,926,039
9	HYDROGEN FLUORIDE	2,315,016	2,369,563	9	-54,547
10	XYLENE (MIXED ISOMERS)	1,894,150	2,331,982	10	-437,832
11	CERTAIN GLYCOL ETHERS	1,444,055	1,880,307	11	-436,252
12	SULFURIC ACID ("ACID AEROSOLS" ONLY)	1,360,140	1,443,727	12	-83,587
13	1-CHLORO-1,1-DIFLUOROETHANE	1,118,816	1,317,354	13	-198,538
14	COPPER	1,111,861	239,324	30	872,536
15	MANGANESE COMPOUNDS	1,001,026	889,802	16	111,224
16	TOLUENE	985,044	1,176,282	14	-191,238
17	STYRENE	818,124	804,196	19	13,928
18	AMMONIA	805,541	884,241	17	-78,700
19	ANTIMONY COMPOUNDS	781,083	631,692	23	149,391
20	CHROMIUM COMPOUNDS	765,855	261,560	29	504,295
21	NICKEL COMPOUNDS	747,083	694,657	20	52,426
22	N-HEXANE	730,090	1,052,876	15	-322,786
23	METHYL ETHYL KETONE	650,587	881,218	18	-230,631
24	N-BUTYL ALCOHOL	581,890	554,959	24	26,931
25	METHYL ISOBUTYL KETONE	543,476	660,611	21	-117,135
26	1,2,4-TRIMETHYLBENZENE	467,475	441,844	26	25,631
27	COBALT COMPOUNDS	449,106	647,277	22	-198,171
28	TRICHLOROETHYLENE	364,032	416,963	28	-52,931
29	ETHYLBENZENE	354,451	438,859	27	-84,408
30	CHLORODIFLUOROMETHANE	327,336	492,008	25	-164,672
31	LEAD	326,769	206,949	32	119,820
32	VANADIUM COMPOUNDS	297,438	222,023	31	75,415
33	CHROMIUM <sup>(1)</sup>	249,021			
34	ZINC (FUME OR DUST)	227,653	76,205	37	151,449
35	NICKEL <sup>(1)</sup>	169,158			
36	BENZENE	155,205	155,696	33	-491
37	DI(2-ETHYLHEXYL) PHTHALATE	127,943	128,065	35	-122
38	N-METHYL-2-PYRROLIDONE	115,874	142,658	34	-26,784
39	NAPHTHALENE	72,685	59,487	39	13,198
40	PHENOL <sup>(1)</sup>	64,315			
Source: Missouri TRI Database - 2002/2003 data		Sub Totals=	101,736,447	112,133,764	-10,397,317

(All units are in pounds)

(1) Chemicals with blank rows did not have corresponding Top 40 values in RY2002.

## **Top Forty (40) Facilities**

Another way to look at the TRI data is to look at the companies that reported the greatest releases. Table 10 shows the top 40 facilities that reported the greatest amount of releases for RY203. Remember, however, that the greatest volume does not always equate with the greatest risk or health concern.

Table 10 sums all of the chemicals reported by a given facility and then sorts the facilities in descending order by total on-site and off-site releases. As can be seen, many of the top ranked facilities are again the metal mines (SIC1031), primary metal products (SIC33xx) or electric utilities (SIC49xx). Mine releases are primarily land releases, as are the primary metal products facilities and electric utilities report both air and land releases. Many of the types of chemicals released by these industries were discussed above. The companies designated by the SIC code of 2861 are the charcoal kilns and, as was also discussed above, their releases are primarily air releases of methanol.

These 40 companies account for more than 73.4 percent of all the air releases, 98.8 percent of all the land releases and 85.4 percent of all the water releases. For details on specific chemicals released by individual companies in your county, see Appendix C. Appendix C sorts releases by county, by company and then by chemical. Note in Appendix C that POTW releases are for metals only and dioxin releases are in grams.

Table 11 shows a comparison between RY2003 and RY2002 for these same 40 facilities. As can be seen in the ranking numbers, many of the high ranked facilities in RY2003 were also highly ranked in RY2002. Again many of the changes, both

increases and decreases by these facilities were discussed above.

If you have questions about this data or would like more details about the releases of individual companies please contact the Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

## **Total Releases by County**

Table 12 provides a listing of the top 50 counties based on total releases and sorted in descending order. There were only 83 counties out of 115 that had reported releases for RY2003. The 50 counties listed in Table 12 account for 99.7 percent of the total releases reported.

Figure 3 provides a graphical representation of the releases by county with white showing zero to 1,000 pounds and black showing 10 to 30 million pounds. Thus this figure shows visually where in the state the greatest releases are occurring.

## **Top Forty (40) Reports of On- and Off-site Waste Management**

Table 13 provides a listing of the top 40 reports that show companies doing on-site or off-site recycling, energy recovery or treatment. For RY2003, there were a total of 361 companies that reported some amount of on-site or off-site waste management. This means that 61.8 percent of all companies reporting to the TRI for RY2003 are doing some type of beneficial waste management. (This is up by 8.1 percent from RY2002.) Although these methods are not source reduction, they are much preferred over releases to the environment or off-site disposal.

In Table 13, some companies are listed more than once. This is simply because they reported on- or off-site waste management for more than one chemical. For additional information about individual companies, contact the Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

**Table 10**  
**Missouri**  
**Top Forty (40) Facilities Showing Greatest Releases in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	ON-SITE RELEASES			OFF-SITE RELEASES		TOTAL <sup>(2)</sup>
				AIR	LAND	WATER	POTW <sup>(1)</sup>	DISPOSAL	
BUICK MINE/MILL	BOSS	IRON	1031	54,678	15,349,076	10,305	0	0	15,414,059
BRUSHY CREEK MINE/MILL	BUNKER	REYNOLDS	1031	37,630	12,427,640	4,384	0	0	12,469,654
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	32,295	10,126,988	2,560	0	0	10,161,843
THE DOE RUN COMPANY HERCULANEUM SMELTER	HERCULANEUM	JEFFERSON	3339	57,888	8,208,719	240	1,230	19,237	8,286,331
DOE RUN RECYCLING FACILITY	BOSS	IRON	3341	20,227	0	421	0	5,261,770	5,282,418
THE DOE RUN COMPANY GLOVER SM ELTER	GLOVER	IRON	3339	35,230	3,807,803	35	0	193	3,843,261
ROYAL OAK ENT. INC- ELLSINORE MO	ELLSINORE	CARTER	2861	3,512,016	0	0	0	0	3,512,016
SWEETWATER MINE/MILL	ELLINGTON	REYNOLDS	1031	9,262	3,341,743	585	0	0	3,351,590
AMERENUE LABADIE POWER PLANT	LABADIE	FRANKLIN	4931	786,901	1,713,177	0	0	0	2,500,078
CRAIG INDUSTRIAL (Operated by Royal Oak Ent.)	SUMMERSVILLE	SHANNON	2861	2,385,936	0	0	0	0	2,385,936
AMERENUE SIOUX POWER PLANT	WEST ALTON	ST. CHARLES	4931	1,272,834	1,080,065	21	0	0	2,352,920
TYSON FOODS, INC. - SEDALIA COMPLEX	SEDALIA	PETTIS	2048	4,214	846	1,565,149	0	1,228	1,571,437
FORD MOTOR COMPANY - KANSAS CITY ASSEMBLY PLANT	CLAYCOMO	CLAY	3711	1,515,358	0	0	820	49,091	1,565,269
HOLCIM (US) INC. - CLARKSVILLE PLANT	CLARKSVILLE	PIKE	3241	1,007,042	555,500	0	0	0	1,562,542
AMERENUE MERAMEC POWER PLANT	ST. LOUIS	ST. LOUIS	4931	241,416	1,314,399	26	0	60	1,555,901
THE DOW CHEMICAL COMPANY	PEVELEY	JEFFERSON	3086	1,294,217	0	0	0	0	1,294,217
THOMAS HILL ENERGY CENTER - POWER DIVISION	CLIFTON HILL	RANDOLPH	4911	444,650	765,850	2,091	0	30	1,212,621
AMERENUE RUSH ISLAND POWER PLANT	FESTUS	JEFFERSON	4931	363,390	834,789	24	0	2	1,198,205
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	312,815	853,850	6,186	0	30	1,172,881
THOMAS CHARCOAL LEASED TO ROYAL OAK ENT.	RAYMONDVILLE	TEXAS	2861	1,127,376	0	0	0	0	1,127,376
US ARMY MANEUVER SUPPORT CENTER RANGES	FT. LEONARD WOOD	PULASKI	9711	859	1,073,418	0	0	0	1,074,277
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	278,112	700,708	4,774	0	0	983,594
ST. LOUIS NORTH ASSEMBLY PLANT	FENTON	ST. LOUIS	3711	720,451	0	0	1,670	29,565	751,686
DYNO NOBEL INC.--LOMO PLANT	LOUISIANA	PIKE	2873	132,600	0	562,300	0	0	694,900
GENERAL MOTORS WENTZVILLE ASSE MBLY	WENTZVILLE	ST. CHARLES	3713	666,362	0	0	268	18,711	685,341
IATAN GENERATING STATION	WESTON	PLATTE	4911	211,377	395,645	0	0	1	607,023
FORD MOTOR COMPANY - ST. LOUIS ASSEMBLY	HAZELWOOD	ST. LOUIS	3711	570,404	0	0	1,630	21,071	593,105
COLUMBIA MUNICIPAL POWER PLANT	COLUMBIA	BOONE	4911	562,003	1,069	0	0	0	563,072
MONTROSE GENERATING STATION	CLINTON	HENRY	4911	177,160	372,929	2	0	34	550,125
ASBURY GENERATING STATION	ASBURY	JASPER	4911	205,749	333,962	0	0	0	539,711
ANHEUSER-BUSCH INC.	SAINT LOUIS	ST. LOUIS CITY	2082	483,519	1,294	0	0	64	484,877
CARONDELET CORPORATION	PEVELY	JEFFERSON	3325	30,832	0	0	0	401,629	432,461
ENERGIZER BATTERY MANUFACTURING, INC.	MARYVILLE	NODAWAY	3692	357	0	0	129	387,450	387,936
ROYAL OAK ENT. INC	SALEM	DENT	2861	363,456	0	0	0	0	363,456
EFCO CORPORATION	MONETT	BARRY	3354	350,243	0	0	17	12,309	362,564
MISSISSIPPI LIME COMPANY- STE GENEVIEVE	STE GENEVIEVE	GENEVIEVE	3274	288,339	22,444	0	0	0	310,783
METAL RECOVERY SYSTEMS INC	SAINT LOUIS	ST. LOUIS CITY	3399	8,430	0	0	0	302,030	310,460
AG PROCESSING INC	ST. JOSEPH	BUCHANAN	2075	286,450	0	0	130	0	286,580
TEVA PHARMACEUTICALS USA	MEXICO	AUDRAIN	2834	274,837	0	0	0	8,931	283,768
BASF CORPORATION - HANNIBAL PLANT	PALMYRA	MARION	2879	193,615	1,984	77,292	0	1,513	274,404
Sub Totals =				20,320,531	63,283,898	2,236,395	5,894	6,514,947	92,360,677

Source: Missouri TRI Database - 2003 data

Sub Totals =

(All units are in pounds.)

(1) Releases to POTWs of metals or metal compounds only.

(2) None of the values in this table include Dioxin or Dioxin-like-compounds.

**Table 11**  
**Missouri**  
**Comparison of Total Releases of Top Forty (40) Facilities**  
**for RY2002 to RY2003<sup>(2)</sup>**

2003 Rank	FACILITY NAME	2003 Total Releases	2002 Rank	2002 Total Releases	Change 2003 - 2002
1	BUICK MINE/MILL	15,414,059	3	12,734,730	2,679,329
2	BRUSHY CREEK MINE/MILL	12,469,654	2	13,292,834	-823,180
3	FLETCHER MINE/MILL	10,161,843	4	9,973,562	188,281
4	THE DOE RUN COMPANY HERCULANEUM SMELTER	8,286,331	1	15,609,637	-7,323,306
5	DOE RUN RECYCLING FACILITY	5,282,418	6	4,166,247	1,116,171
6	THE DOE RUN COMPANY GLOVER SM ELTER	3,843,261	5	6,849,323	-3,006,062
7	ROYAL OAK ENT. INC- ELLSINORE MO	3,512,016	9	3,374,496	137,520
8	SWEETWATER MINE/MILL	3,351,590	7	4,142,420	-790,830
9	AMERENUE LABADIE POWER PLANT	2,500,078	11	2,506,553	-6,475
10	CRAIG INDUSTRIAL (Operated by Royal Oak Ent.)	2,385,936	10	2,905,632	-519,696
11	AMERENUE SIOUX POWER PLANT	2,352,920	12	2,438,934	-86,014
12	TYSON FOODS, INC. - SEDALIA COMPLEX	1,571,437	8	3,422,586	-1,851,149
13	FORD MOTOR COMPANY - KANSAS CITY ASSEMBLY PLANT	1,565,269	13	2,162,295	-597,026
14	HOLCIM (US) INC. - CLARKSVILLE PLANT	1,562,542	18	958,638	603,904
15	AMERENUE MERAMEC POWER PLANT	1,555,901	14	2,133,626	-577,724
16	THE DOW CHEMICAL COMPANY	1,294,217	16	1,590,889	-296,672
17	THOMAS HILL ENERGY CENTER - PO WER DIVISION	1,212,621	17	1,322,059	-109,438
18	AMERENUE RUSH ISLAND POWER PLANT	1,198,205	33	424,510	773,695
19	NEW MADRID POWER PLANT	1,172,881	15	1,824,345	-651,464
20	THOMAS CHARCOAL LEASED TO ROYAL OAK ENT. <sup>(1)</sup>	1,127,376			
21	US ARMY MANEUVER SUPPORT CENTER RANGES	1,074,277	(42)	300,828	773,449
22	SIBLEY GENERATING STATION	983,594	19	898,309	85,285
23	ST. LOUIS NORTH ASSEMBLY PLANT	751,686	22	709,132	42,554
24	DYNO NOBEL INC.--LOMO PLANT	694,900	26	522,600	172,300
25	GENERAL MOTORS WENTZVILLE ASSE MBL Y	685,341	20	798,712	-113,371
26	IATAN GENERATING STATION	607,023	27	519,187	87,836
27	FORD MOTOR COMPANY - ST. LOUIS ASSEMBLY	593,105	21	750,829	-157,724
28	COLUMBIA MUNICIPAL POWER PLANT	563,072	25	575,088	-12,016
29	MONTROSE GENERATING STATION	550,125	30	449,780	100,345
30	ASBURY GENERATING STATION	539,711	23	676,913	-137,202
31	ANHEUSER-BUSCH INC.	484,877	29	453,545	31,332
32	CARONDELET CORPORATION	432,461	(111)	36,475	395,986
33	ENERGIZER BATTERY MANUFACTURING, INC.	387,936	35	391,926	-3,991
34	ROYAL OAK ENT. INC. <sup>(1)</sup>	363,456			
35	EFCO CORPORATION	362,564	34	407,578	-45,014
36	MISSISSIPPI LIME COMPANY- STE GENEVIEVE	310,783	39	329,362	-18,579
37	METAL RECOVERY SYSTEMS INC	310,460	(135)	24,310	286,150
38	AG PROCESSING INC	286,580	31	443,290	-156,710
39	TEVA PHARMACEUTICALS USA	283,768	40	319,062	-35,294
40	BASF CORPORATION - HANNIBAL PLANT	274,404	32	432,226	-157,822
Source: Missouri TRI Database -2002/ 2003 data		Sub Total=			
		92,360,677		100,872,467	-10,002,622

(1) New reporting facility for RY2003.

(2) Positive numbers are increases and negative numbers are decreases.

**Table 12**  
**Missouri 2003**  
**Total Releases by County<sup>(1)</sup>**

COUNTY	NO. OF REPORTS <sup>(2)</sup>	On- & Off-site Releases					TOTAL RELEASES
		AIR	LAND	WATER	POTW <sup>(3)</sup>	OFF-SITE DISPOSAL	
REYNOLDS	13	94,272	25,896,371	7,529	0	0	25,998,172
IRON	21	110,160	19,156,879	10,766	0	5,265,898	24,543,703
JEFFERSON	61	2,095,429	9,078,015	280	1,266	428,573	11,602,580
ST. LOUIS COUNTY	254	2,796,618	1,317,701	58	7,819	556,524	4,678,684
TEXAS	4	3,513,312	0	0	0	0	3,513,312
CARTER	1	3,512,016	0	0	0	0	3,512,016
ST. CHARLES	65	2,153,444	1,080,922	21	268	19,461	3,254,115
FRANKLIN	73	882,328	1,713,182	5	52	109,126	2,704,693
PIKE	47	1,357,713	556,605	562,300	0	0	2,476,618
PETTIS	29	146,393	846	1,565,156	61,380	64,381	1,838,156
CLAY	83	1,707,537	500	0	823	105,145	1,814,002
JACKSON	150	864,825	809,754	11,308	3,565	46,901	1,736,279
NEW MADRID	29	680,489	853,850	19,121	0	116,189	1,669,649
RANDOLPH	18	449,375	765,893	2,091	0	30	1,217,389
PULASKI	8	11,209	1,073,418	0	0	750	1,085,377
JASPER	51	430,314	333,962	5,570	32	132,181	902,056
ST. LOUIS CITY	191	611,074	117,559	15	37,239	67,940	833,801
HENRY	14	386,411	372,929	2	0	34	759,376
BUCHANAN	55	540,681	250	539	743	215,747	757,955
BOONE	32	604,389	1,069	0	23,384	10,269	639,103
PLATTE	26	234,345	395,645	0	0	2,016	632,006
GREENE	91	524,068	29,113	4,653	1,431	72,344	631,531
BARRY	30	504,478	8,996	0	32	12,822	526,323
AUDRAIN	21	449,295	0	2	0	26,397	475,693
NODAWAY	7	729	0	0	135	387,450	388,313
DENT	1	363,456	0	0	0	0	363,456
STE. GENEVIEVE	10	320,769	25,665	0	0	0	346,434
PEMISCOT	10	232,299	0	23	1	58,882	291,204
CAPE GIRARDEAU	43	71,199	46,276	150,794	2	13,357	281,628
MARION	28	193,615	1,984	77,292	0	1,513	274,404
VERNON	16	217,161	0	16	56	24,063	241,296
SCOTT	11	94,326	143,630	40	7	2,979	240,982
PERRY	5	219,391	0	0	0	0	219,391
LAWRENCE	21	195,078	5	0	0	250	195,333
RALLS	62	18,669	77,444	0	10	74,506	170,628
LACLEDE	9	151,590	0	0	2,266	3,400	157,256
BUTLER	16	66,716	0	0	206	89,104	156,012
OSAGE	8	138,471	0	250	0	5	138,726
HOWELL	9	39,996	82,325	0	0	5,951	128,273
SULLIVAN	4	250	0	110,432	0	340	111,022
MCDONALD	3	20,833	0	88,335	0	755	109,923
WEBSTER	14	85,282	15	0	0	7,791	93,088
CALLAWAY	6	85,887	0	0	0	0	85,887
DUNKLIN	21	80,207	285	35	60	3,911	84,488
HOLT	8	1,305	82,350	11	0	0	83,666
NEWTON	12	78,807	0	0	3	1,003	79,811
ST. FRANCOIS	14	51,025	0	0	77	0	51,095
COOPER	6	43,326	0	0	0	1,313	44,639
WASHINGTON	12	799	0	20	0	43,415	44,234
LINCOLN	7	37,240	0	0	4,865	0	42,105
Source: Missouri TRI Database - 2003 data		(All units are in pounds)					Sub Total =
							102,183,779

(1) These numbers do not include Dioxin and Dioxin-like-compounds.

(2) These are the number of Form R reports only, they do not include Form A reports.

(3) These values are for metals only.

# Figure 4. Total Releases by County

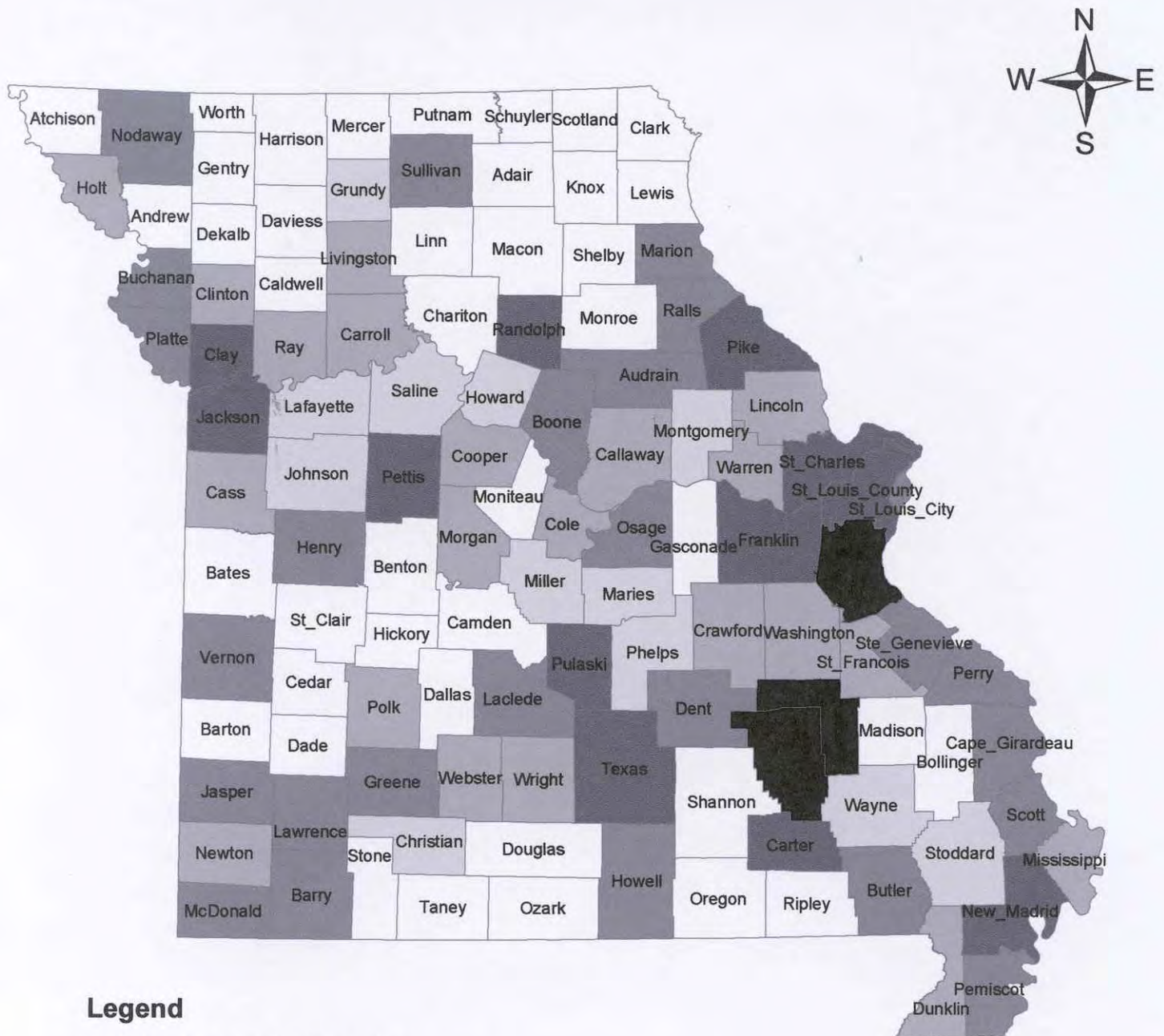




Table 13

## Missouri

## Top Forty (40) Reports of On- and Off-site Waste Management in RY2003

FAC_NAME	CHEM_NAME	On-site Waste Management			Off-site Waste Management			TOTAL
		ENERGY	RECYCLE	TRTMT	ENERGY	RECYCLE	TRTMT	
THE DOE RUN CO. GLOVER SMELTER	LEAD COMPOUNDS	0	119,433,095	0	0	495,418	0	119,928,513
THE DOE RUN CO. GLOVER SMELTER	ZINC COMPOUNDS	0	46,088,900	0	0	1,339,252	0	47,428,152
DYNO NOBEL, INC. -LOMO PLANT	NITRATE COMPOUNDS	0	36,000,000	67,000	0	0	0	36,067,000
MALLINCKRODT, INC.	METHANOL	0	15,754,001	1,165,358	245,661	0	869,789	18,034,809
BAYER CROPSCIENCE	METHYL ISOBUTYL KETONE	0	16,437,676	1,013,161	0	0	182	17,451,019
HOLCIM (US), INC. - CLARKSVILLE PLANT	TOLUENE	13,000,000	0	0	31,000	0	0	13,031,000
ENERSYS ENERGY PROD., INC.	LEAD COMPOUNDS	0	10,589,459	0	0	1,787,930	0	12,377,389
THE DOE RUN CO. GLOVER SMELTER	ALUMINUM (FUME OR DUST)	0	10,667,021	0	0	399,989	0	11,067,010
THE DOE RUN CO. HERCULANEUM SMELTER	LEAD COMPOUNDS	0	9,677,524	0	0	0	0	9,677,524
TEVA PHARMACEUTICALS USA	TOLUENE	0	8,457,298	240,699	0	433,180	180	9,131,357
HOLCIM (US), INC. - CLARKSVILLE PLANT	XYLENE (MIXED ISOMERS)	8,900,000	0	0	22,000	0	0	8,922,000
JOHNSON CONTROLS BATTERY GROUP, INC.	LEAD COMPOUNDS	0	0	0	0	8,825,860	0	8,825,860
TEVA PHARMACEUTICALS USA	METHANOL	0	5,318,693	1,201,587	2,258,450	0	1,270	8,780,000
MALLINCKRODT, INC.	CHLOROFORM	0	7,947,293	36,706	0	0	293,731	8,277,730
CONTINENTAL CEMENT CO., LLC	TOLUENE	7,538,079	0	0	335,508	0	0	7,873,587
SPORLAN VALVE CO. - PLANT#3	TRICHLOROETHYLENE	0	7,300,000	0	0	0	11,000	7,311,000
3M CO. - NEVADA	XYLENE (MIXED ISOMERS)	0	3,300,000	2,100,000	0	0	1,000,000	6,400,000
THE DOE RUN CO. GLOVER SMELTER	CADMIUM COMPOUNDS	0	6,172,286	0	0	1,827	0	6,174,113
NORANDA ALUMINUM, INC.	HYDROGEN FLUORIDE	0	6,122,450	0	0	0	0	6,122,450
3M CO. - NEVADA	METHYL ETHYL KETONE	0	4,200,000	940,000	0	0	960,000	6,100,000
BAYER CROPSCIENCE	TOLUENE	0	3,989,379	1,328,590	0	0	1,055	5,319,024
CONTINENTAL CEMENT CO., LLC	M-XYLENE	4,987,557	0	0	221,988	0	0	5,209,545
TEVA PHARMACEUTICALS USA	DICHLOROMETHANE	0	4,032,720	484,477	0	0	681,120	5,198,317
THE DOE RUN CO. HERCULANEUM SMELTER	ZINC COMPOUNDS	0	4,598,083	0	0	0	0	4,598,083
SIMMONS SOUTHWEST CITY	NITRATE COMPOUNDS	0	0	4,194,257	0	0	0	4,194,257
HOLCIM (US), INC. - CLARKSVILLE PLANT	METHYL ETHYL KETONE	4,000,000	0	0	9,800	0	0	4,009,800
THOMAS HILL ENERGY CENTER - POWER DIV.	SULFURIC ACID ("AEROSOLS" ONLY)	0	0	3,622,000	0	0	0	3,622,000
KINGSFORD MANUFACTURING CO.	METHANOL	3,171,266	0	0	0	0	0	3,171,266
CONTINENTAL CEMENT CO., LLC	METHANOL	3,029,946	0	0	134,858	0	0	3,164,804
3M CO. - NEVADA	TOLUENE	0	150,000	2,900,000	0	0	81,000	3,131,000
THE DOE RUN CO. GLOVER SMELTER	COPPER COMPOUNDS	0	3,067,781	0	0	55,632	0	3,123,413
BAYER CROPSCIENCE	HYDROCHLORIC ACID ("AEROSOLS" ONLY)	0	0	2,994,007	0	0	0	2,994,007
HOLCIM (US), INC. - CLARKSVILLE PLANT	VINYL ACETATE	2,900,000	0	0	7,200	0	0	2,907,200
HOLCIM (US), INC. - CLARKSVILLE PLANT	DICHLOROMETHANE	2,900,000	0	0	7,100	0	0	2,907,100
AMERENUE SIOUX POWER PLANT	SULFURIC ACID ("AEROSOLS" ONLY)	0	0	2,891,027	0	0	0	2,891,027
CONNECTOR CASTINGS, INC.	COPPER COMPOUNDS	0	2,657,706	0	0	228,090	0	2,885,796
ESSEX ELECTRIC, INC.	COPPER	0	0	0	0	2,783,322	0	2,783,322
CONTINENTAL CEMENT CO., LLC	METHYL ETHYL KETONE	2,489,004	0	0	110,782	0	0	2,599,786
3M CO. - SPRINGFIELD	TOLUENE	0	0	625,110	0	169,430	1,412,900	2,207,440
HOLCIM (US), INC. - CLARKSVILLE PLANT	ETHYLBENZENE	2,200,000	0	0	5,400	0	0	2,205,400
Sub Totals =		55,115,852	331,961,365	25,803,979	3,389,747	16,519,930	5,312,227	438,103,100

Source: Missouri TRI Database - 2003 data

Sub Totals =

(All units are in pounds.)

## **Water Releases**

Although water releases are a relatively small percentage of the total releases reported, they are significant in that water greatly influences our environment and our lives. Table 14 lists some of the largest releases to Missouri streams by facility and then by chemical.

Note in Table 14 that all of the releases over 5,000 pounds are for nitrate compounds or ammonia. Also, one reported release stands out over the rest. This is the 1,564,607 pounds release to the Little Muddy Creek reported by Tyson Foods in Sedalia. However, this is a large decrease over their reported release in RY2002, which was 3,398,063 pounds. As was discussed previously, Tyson Foods was required to reduce their nitrate compound releases due to an enforcement agreement with EPA Region 7.

Other relatively large releases were from Dyno Nobel, Inc. (SIC 2873), a fertilizer plant in Louisiana, Mo., who reported 555,000 pounds of nitrate compounds, and an animal food processor, Biokyowa Inc. (SIC 2028), in Cape Girardeau, Mo., who reported 150,606 pounds of ammonia releases.

Three other facilities that reported significant water releases of nitrate compounds were Premium Standard Farms in Milan, Mo., Simmons Foods Inc. in Southwest City, and BASF Corp. in Palmyra, Mo.

Barium compounds also show up in Table 11. All the companies that reported water releases of barium are the electric utilities (SIC 49xx). Lead and zinc compounds also show up in the list as water releases and are from the metal mines (SIC1031). These mines are located in the southeast part of the state in Iron and Reynolds counties.

Again, as in Table 13, some companies are listed more than once. This is because they reported water releases for more than one chemical.

The facilities and chemicals shown in Table 14 account for over 99.8 percent of all the water releases reported in Missouri (refer to Tables 3, 5 and 6.)

Table 15 shows a listing of these top water releases and compares them to the same releases reported in RY2002. As has been discussed, Tyson Foods in Sedalia, Mo., showed a very large decrease between RY2002 and RY2003 of 1,833,456 pounds. BASF Corp. in Palmyra and Plastene Supply Co. in Portageville, Mo., also showed significant decreases of 173,000 and 42,028 pounds, respectively. Dyno Nobel, Inc. and Premium Standard Farms both showed large increases, 156,000 and 38,004 pounds, respectively. The reason for these changes is uncertain but may in part be due to production changes.

One company that reported significant releases of nitrate compounds in RY2002 was Biokyowa, Inc. in Cape Girardeau, Mo. In RY2002 it reported 11,000 pounds. In RY2003 it reported zero (0) nitrate releases, therefore it was not included in the releases list in Table 14. Although this is not a very large amount, the fact that Biokyowa has been able to eliminate its releases of nitrate compounds is significant.

For more details about water releases in your county see Appendix C or call the Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

**Table 14**  
**Missouri**  
**Listing of Largest Releases to Surface Waters by Facility by Chemical in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	CHEMICAL NAME	STREAM NAME	TOTAL RELEASE
TYSON FOODS, INC.	SEDALIA	PETTIS	2048	NITRATE COMPOUNDS	TRIBUTARY TO LITTLE MUDDY CREEK	1,564,607
DYNO NOBEL, INC.--LOMO PLANT	LOUISIANA	PIKE	2873	NITRATE COMPOUNDS	MISSISSIPPI RIVER	555,000
BIOKYOWA, INC.	CAPE GIRARDEAU	CAPE GIRARDEAU	2048	AMMONIA	MISSISSIPPI RIVER	150,606
PREMIUM STANDARD FARMS	MILAN	SULLIVAN	2011	NITRATE COMPOUNDS	ELMWOOD BRANCH (U) EAST FORK LOCUST CREEK	109,201
SIMMONS FOODS, INC.	SOUTHWEST CITY	MCDONALD	2015	NITRATE COMPOUNDS	UNNAMED TRIBUTARY TO CAVE SPRINGS	87,032
BASF CORP. - HANNIBAL PLANT	PALMYRA	MARION	2879	NITRATE COMPOUNDS	MISSISSIPPI RIVER	77,000
PLASTENE SUPPLY CO.	PORTAGEVILLE	NEW MADRID	3471	NITRATE COMPOUNDS	PORTAGE OPEN BAY	12,413
DYNO NOBEL, INC.--LOMO PLANT	LOUISIANA	PIKE	2873	AMMONIA	MISSISSIPPI RIVER	7,300
BAYER CROPSCIENCE	KANSAS CITY	JACKSON	2879	AMMONIA	MISSOURI RIVER	6,124
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	BARIUM COMPOUNDS	MISSISSIPPI RIVER	4,800
BUICK MINE/MILL	BOSS	IRON	1031	ZINC COMPOUNDS	INDIAN CREEK	4,560
BUICK MINE/MILL	BOSS	IRON	1031	ZINC COMPOUNDS	STROTHER CREEK	4,104
DYNO NOBEL, INC. - CARTHAGE PLANT	CARTHAGE	JASPER	2892	NITRATE COMPOUNDS	CENTER CREEK	3,852
BRUSHY CREEK MINE/MILL	BUNKER	REYNOLDS	1031	ZINC COMPOUNDS	BILLS CREEK	3,461
JAMES RIVER POWER STATION	SPRINGFIELD	GREENE	4931	BARIUM COMPOUNDS	JAMES RIVER	2,773
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	BARIUM COMPOUNDS	MISSOURI RIVER	2,189
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	MANGANESE COMPOUNDS	MISSOURI RIVER	1,952
DYNO NOBEL, INC. - CARTHAGE PLANT	CARTHAGE	JASPER	2892	AMMONIA	CENTER CREEK	1,676
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	BARIUM COMPOUNDS	MIDDLE FORK OF THE LITTLE CHARITON RIVER	1,305
SIMMONS SOUTHWEST CITY	SOUTHWEST CITY	MCDONALD	2015	AMMONIA	UNNAMED TRIBUTARY TO CAVE SPRINGS	1,303
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	ZINC COMPOUNDS	WEST FORK CREEK	1,004
PREMIUM STANDARD FARMS	MILAN	SULLIVAN	2011	CHLORINE	ELMWOOD BRANCH (U) EAST FORK LOCUST CREEK	981
BUICK MINE/MILL	BOSS	IRON	1031	LEAD COMPOUNDS	INDIAN CREEK	842
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	ZINC COMPOUNDS	MISSISSIPPI RIVER	740
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	LEAD COMPOUNDS	BEE FORK CREEK	702
BRUSHY CREEK MINE/MILL	BUNKER	REYNOLDS	1031	LEAD COMPOUNDS	BILL'S CREEK	673
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	MANGANESE COMPOUNDS	MISSISSIPPI RIVER	615
TYSON FOODS, INC.	SEDALIA	PETTIS	2048	AMMONIA	TRIBUTARY TO LITTLE MUDDY CREEK	542
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	ZINC COMPOUNDS	MISSOURI RIVER	535
LAKE ROAD STATION	ST. JOSEPH	BUCHANAN	4931	BARIUM COMPOUNDS	MISSOURI RIVER	533
LOREN COOK COMPANY	SPRINGFIELD	GREENE	3564	MANGANESE	NORTH JORDAN CREEK, DRY	440
BUICK MINE/MILL	BOSS	IRON	1031	LEAD COMPOUNDS	STROTHER CREEK	299
PLASTENE SUPPLY CO.	PORTAGEVILLE	NEW MADRID	3471	FORMALDEHYDE	PORTAGE OPEN BAY	250
PREMIUM STANDARD FARMS	MILAN	SULLIVAN	2011	AMMONIA	ELMWOOD BRANCH (U) EAST FORK LOCUST CREEK	250
PAUL MUELLER CO.	SPRINGFIELD	GREENE	3443	CHROMIUM	JORDAN CREEK	250
BUICK MINE/MILL	BOSS	IRON	1031	COPPER COMPOUNDS	INDIAN CREEK	250
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	COPPER COMPOUNDS	WEST FORK CREEK	250
PAUL MUELLER CO.	SPRINGFIELD	GREENE	3443	COPPER	JORDAN CREEK	250
SWEETWATER MINE/MILL	ELLINGTON	REYNOLDS	1031	ZINC COMPOUNDS	ADAIR CREEK	250
CHAMOIS POWER PLANT	CHAMOIS	OSAGE	4911	BARIUM COMPOUNDS	STONNERS BRANCH	250
SWEETWATER MINE/MILL	ELLINGTON	REYNOLDS	1031	COPPER COMPOUNDS	ADAIR CREEK	250
PAUL MUELLER CO.	SPRINGFIELD	GREENE	3443	MANGANESE	JORDAN CREEK	250
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	COPPER COMPOUNDS	BEE FORK CREEK	250
BUICK MINE/MILL	BOSS	IRON	1031	COPPER COMPOUNDS	STROTHER CREEK	250
DOE RUN RECYCLING FACILITY	BOSS	IRON	3341	ANTIMONY COMPOUNDS	CROOKED CREEK	250
Source: Missouri TRI Database - 2003 data						(All units are in pounds.)
Sub Total =						2,612,414

**Table 15**  
**Missouri**  
**Comparison of Total Water Releases between RY2002 and RY2003**

2003 RANK	FACILITY NAME	CITY	CHEMICAL	2003 RELEASES	2002 RELEASES	2002 RANK	CHANGE 2003 - 2002
1	TYSON FOODS, INC.	SEDALIA	NITRATE COMPOUNDS	1,564,607	3,398,063	1	-1,833,456
2	DYNO NOBEL, INC.--LOMO PLANT	LOUISIANA	NITRATE COMPOUNDS	555,000	399,000	2	156,000
3	BIOKYOWA, INC.	CAPE GIRARDEAU	AMMONIA	150,606	171,000	4	-20,394
4	PREMIUM STANDARD FARMS	MILAN	NITRATE COMPOUNDS	109,201	71,197	6	38,004
5	SIMMONS SOUTHWEST CITY	SOUTHWEST CITY	NITRATE COMPOUNDS	87,032	83,744	5	3,288
6	BASF CORP. - HANNIBAL PLANT	PALMYRA	NITRATE COMPOUNDS	77,000	250,000	3	-173,000
7	PLASTENE SUPPLY CO.	PORTAGEVILLE	NITRATE COMPOUNDS	12,413	54,441	7	-42,028
8	DYNO NOBEL, INC.--LOMO PLANT	LOUISIANA	AMMONIA	7,300	4,600	12	2,700
9	BAYER CROSCIENCE	KANSAS CITY	AMMONIA	6,124	2,533	15	3,591
10	NEW MADRID POWER PLANT	MARSTON	BARIIUM COMPOUNDS	4,800	4,800	11	0
11	BUICK MINE/MILL	BOSS	ZINC COMPOUNDS	4,560	1,215	23	3,345
12	BUICK MINE/MILL	BOSS	ZINC COMPOUNDS	4,104	5,744	9	-1,640
13	DYNO NOBEL, INC. - CARTHAGE PLANT	CARTHAGE	NITRATE COMPOUNDS	3,852	4,959	10	-1,107
14	BRUSHY CREEK MINE/MILL	BUNKER	ZINC COMPOUNDS	3,461	3,843	13	-382
15	JAMES RIVER POWER STATION	SPRINGFIELD	BARIIUM COMPOUNDS	2,773	2,773	14	0
16	SIBLEY GENERATING STATION	SIBLEY	BARIIUM COMPOUNDS	2,189	2,491	16	-302
17	SIBLEY GENERATING STATION	SIBLEY	MANGANESE COMPOUNDS	1,952	1,899	18	53
18	DYNO NOBEL, INC. - CARTHAGE PLANT	CARTHAGE	AMMONIA	1,676	947	27	729
19	THOMAS HILL ENERGY CENTER	CLIFTON HILL	BARIIUM COMPOUNDS	1,305	1,500	20	-195
20	SIMMONS SOUTHWEST CITY	SOUTHWEST CITY	AMMONIA	1,303	1,071	25	232
21	FLETCHER MINE/MILL	BUNKER	ZINC COMPOUNDS	1,004	750	29	254
22	PREMIUM STANDARD FARMS	MILAN	CHLORINE	981	923	28	58
23	BUICK MINE/MILL	BOSS	LEAD COMPOUNDS	842	1,172	24	-330
24	NEW MADRID POWER PLANT	MARSTON	ZINC COMPOUNDS	740	750	30	-10
25	FLETCHER MINE/MILL	BUNKER	LEAD COMPOUNDS	702	1,397	21	-695
26	BRUSHY CREEK MINE/MILL	BUNKER	LEAD COMPOUNDS	673	130	(64)	543
27	NEW MADRID POWER PLANT	MARSTON	MANGANESE COMPOUNDS	615	620	31	-5
28	TYSON FOODS, INC.	SEDALIA	AMMONIA	542	1,377	22	-835
29	SIBLEY GENERATING STATION	SIBLEY	ZINC COMPOUNDS	535	524	33	11
30	LAKE ROAD STATION	ST. JOSEPH	BARIIUM COMPOUNDS	533	589	32	-56
31	LOREN COOK COMPNY	SPRINGFIELD	MANGANESE	440	0	(NA)	440
32	BUICK MINE/MILL	BOSS	LEAD COMPOUNDS	299	372	35	-73
B	PLASTENE SUPPLY CO.	PORTAGEVILLE	FORMALDEHYDE	250	276	37	-26
B	PREMIUM STANDARD FARMS	MILAN	AMMONIA	250	104	(67)	146
B	PAUL MUELLER CO.	SPRINGFIELD	CHROMIUM	250	250	B	0
B	BUICK MINE/MILL	BOSS	COPPER COMPOUNDS	250	250	B	0
B	FLETCHER MINE/MILL	BUNKER	COPPER COMPOUNDS	250	250	B	0
B	PAUL MUELLER CO.	SPRINGFIELD	COPPER	250	250	B	0
B	SWEETWATER MINE/MILL	ELLINGTON	ZINC COMPOUNDS	250	1,915	17	-1,665
B	CHAMOIIS POWER PLANT	CHAMOIIS	BARIIUM COMPOUNDS	250	250	B	0
B	SWEETWATER MINE/MILL	ELLINGTON	COPPER COMPOUNDS	250	250	B	0
B	PAUL MUELLER CO.	SPRINGFIELD	MANGANESE	250	250	B	0
B	FLETCHER MINE/MILL	BUNKER	COPPER COMPOUNDS	250	250	B	0
B	BUICK MINE/MILL	BOSS	COPPER COMPOUNDS	250	250	B	0
B	DOE RUN RECYCLING FACILITY	BOSS	ANTIMONY COMPOUNDS	250	277	36	-27
(NA)	BIOKYOWA INC.	CAPE GIRARDEAU	NITRATE COMPOUNDS	0	11,000	8	-11,000
Source: Missouri TRI Database - 2002/2003 data				Sub Totals =	2,612,414	4,490,246	-1,877,832

(1) Rank "B" indicates a facility used a 'B' range code to report their releases which was averaged to 250 pounds.

(All units are in pounds.)

(2) A Rank code of (NA) indicates that this company did not report water releases of the specified chemical for that year.

(3) Numbers in () are the rank they would have been for that year.

## **Persistent, Bioaccumulative and Toxic Chemicals**

RY2000 was the first year that this class or category of chemicals was reported. Although some of these chemicals had been on the TRI chemical list previously, EPA determined that their reporting thresholds were too high to capture significant releases. The following section will discuss the releases of these chemicals and which companies reported the greatest releases.

Rather than grouping all of the PBT chemicals together, they will be discussed separately in categories. Currently, there are two metals listed as PBT chemicals. These are lead and lead compounds, and mercury and mercury compounds. These two metals will be discussed first. A group of PBT chemicals that are not metals, but are various organic compounds, will be discussed next as organic PBT chemicals. Finally, dioxin and dioxin-like compounds will be discussed.

General information about PBT chemicals can be found on EPA's web site at <http://www.epa.gov/pbt/aboutpbt.htm>.

### **Lead and Lead Compounds**

Lead was first considered a PBT chemical for RY2001. It had been on the TRI list previously but its reporting threshold was now lowered to 100 pounds.

Prior to 2001, the threshold for lead and lead compounds had been either 10,000 or 25,000 pounds, depending on the use. The lowered threshold greatly impacted the number of facilities that started reporting for lead and lead compounds. In RY2000, 50 companies reported some level of releases of lead or lead compounds, in RY2001, that number increased to 168, a three-fold or 336 percent increase.

In RY2002, the number of companies reporting for lead increased to 211, another 25.6 percent increase. For RY2003 the number of companies reporting releases of lead decreased slightly to 206, a 2.4 percent decrease. However, this degree of change can be due simply to changes in production and is typical of the changes in the number of companies reporting to the TRI in general. Also the number of companies that actually reported some level of releases greater than zero changed only slightly. In RY2002 this number was 174, and in RY2003 it was 172.

Table 16 shows the total releases of lead and lead compounds for RY 2003, plus what they were for RY2002. As can be seen, the total for RY2003 was slightly less than RY2002. The total change was a decrease of 515,473 pounds or 2.0 percent. However, significant decreases were seen in air and land releases, see Table 16. These decreases equate to 25.0 and 5.7 percent, respectively. The large increase in off-site disposal was found to be due to an increase by the Doe Run Recycling Facility in Boss, Mo.

**Table 16**  
**Missouri**  
**Total Lead & Lead Compound Releases by Media**  
**and RY2003 versus RY2002**

Media	RY2002	RY2003	Change: 2003 - 2002 <sup>(1)</sup>
Air	307,863.68	231,027.95	-76,835.74
Land	21,940,719.66	20,700,957.03	-1,239,762.64
Water	4,857.42	4,282.57	-574.85
POTW	1,412.68	1,287.80	-124.88
Disposal	3,735,179.45	4,537,004.37	801,824.92
Total	25,990,032.90	25,474,559.71	-515,473.18

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)

(1) Negative numbers indicate decreases, positive numbers are increases.

Table 17 provides a list of companies that reported the greatest volumes of lead or lead compound releases for RY2003. Due to space limitations, only the top 40 facilities, based on total releases, are shown. As can be seen in both Tables 16 and 17, the greatest releases are to on-site land, followed by off-site disposal. Also the greatest majority of these releases are from the four Doe Run lead mines, their two smelters and their recycling facility in southeast Missouri. These are the top seven facilities shown in Table 17 and together account for 24,792,4265 pounds or 97.3 percent of all of the lead and lead compound releases reported.

The 40 facilities shown in Table 17 account for 97.6 percent of all the air releases, 99.9 percent of all the land releases and 97.8 percent of all the water releases for RY2003. More information on lead releases is available in Appendix C or by calling the Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

Table 17 shows that the vast majority of lead releases are on-site land or off-site disposal releases. Although land releases are the greatest by total quantity, air and water releases are also of significant concern. Air releases are perhaps the greatest concern because this is a pathway that can most immediately affect the largest number of people. If the data in Table 17 is sorted by on-site air releases, the Doe Run smelter in Herculaneum comes to the top of the list at 50,227 pounds. The Buick, Fletcher and Brushy Creek mines follow closely with 48,801 pounds, 29,453 pounds and 29,026 pounds of air releases, respectively.

The Doe Run Herculaneum smelter has been an environmental concern for several years because of the lead contamination found in the city of Herculaneum. However,

although the Herculaneum smelter is still the largest reporter of air releases of lead, this number is down from their RY2002 air releases, which was 117,626 pounds. This is a decrease of 67,399 pounds or 57.3 percent. This is a very significant decrease. It is also noteworthy that this is the third year in a row that the Herculaneum smelter has reported a decrease in their lead air emissions, based on the TRI data.

However, it should also be noted that these reductions were required by the Department of Natural Resources to meet the National Ambient Air Quality standards. Construction and operation of air pollution controls were required by the Herculaneum lead State Implementation Plan (SIP) under the Clean Air Act (CAA). The SIP controls were reiterated in an Administrative Order on Consent (AOC) which was negotiated between the company, EPA and the department and went into effect on May 19, 2001. The AOC also included measures to address other lead releases to the environment. A later Settlement Agreement between the company and the department further reduced lead exposure to the local population through a property buyout program for homes near the smelter and other measures.

An additional concern in the city of Herculaneum is the lead contamination that has occurred during the transport of the lead ore from the mines to the smelter. These releases are not reported under the TRI because they are transportation related and are outside the boundaries of the reporting facilities. However, the fact that they are not reported under the TRI does not mean these releases are not a concern.

The Department of Natural Resources and EPA are continuing to work with the Doe Run Company to reduce their air, land and

**Table 17**  
**Missouri**  
**Top Forty (40) Facilities Reporting LEAD or LEAD COMPOUND Releases in RY2003**

FACILITY	CITY	COUNTY	SIC CODE	On-site Release			Off-site Releases		TOTAL
				AIR	LAND	WATER	POTW	DISPOSAL	
THE DOE RUN CO. HERCULANEUM SMELTER	HERCULANEUM	JEFFERSON	3339	50,227.00	1,117,354.00	35.00	983.00	13,830.00	1,182,429.00
BUICK MINE/MILL	BOSS	IRON	1031	42,801.00	7,085,920.00	2,299.00	0.00	0.00	7,131,020.00
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	29,453.00	5,423,735.00	806.00	0.00	0.00	5,453,994.00
BRUSHY CREEK MINE/MILL	BUNKER	REYNOLDS	1031	29,026.00	4,285,356.00	673.00	0.00	0.00	4,315,055.00
THE DOE RUN CO. GLOVER SMELTER	GLOVER	IRON	3339	28,616.00	700,043.00	6.00	0.00	192.00	728,857.00
DOE RUN RECYCLING FACILITY	BOSS	IRON	3341	16,440.00	0.00	65.00	0.00	4,388,593.00	4,405,098.00
SWEETWATER MINE/MILL	ELLINGTON	REYNOLDS	1031	8,262.00	1,568,784.00	85.00	0.00	0.00	1,577,131.00
ASBURY GENERATING STATION	ASBURY	JASPER	4911	5,824.00	4,359.00	0.00	0.00	0.00	10,183.00
RIVER CEMENT CO.	FESTUS	JEFFERSON	3241	4,903.00	5,572.00	0.00	0.00	0.00	10,475.00
ENERSYS ENERGY PROD., INC. (formerly HAWKER ENERGY)	WARRENSBURG	JOHNSON	3691	3,600.00	0.00	0.00	0.07	0.00	3,600.07
THOMAS HILL ENERGY CENTER - POWER DIV.	CLIFTON HILL	RANDOLPH	4911	900.00	7,543.00	21.00	0.00	0.00	8,464.00
AMERENUE SIOUX POWER PLANT	WEST ALTON	ST. CHARLES	4931	781.90	21,161.10	0.20	0.00	0.00	21,943.20
HOLCIM (US), INC. - CLARKSVILLE PLANT	CLARKSVILLE	PIKE	3241	533.38	19,900.00	0.00	0.00	0.00	20,433.38
EXIDE TECHNOLOGIES-CANON HOLLOW PLANT	FOREST CITY	HOLT	3341	520.00	60,221.00	1.00	0.00	0.00	60,742.00
AMERENUE LABADIE POWER PLANT	LABADIE	FRANKLIN	4931	489.20	10,701.50	0.00	0.00	0.00	11,190.70
AMERENUE MERAMEC POWER PLANT	ST. LOUIS	ST. LOUIS COUNTY	4931	445.90	13,528.10	0.00	0.00	60.00	14,034.00
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	400.00	10,000.00	16.00	0.00	0.00	10,416.00
CONTINENTAL CEMENT CO., LLC	HANNIBAL	RALLS	3241	312.00	17,884.00	0.00	0.00	153.00	18,349.00
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	309.00	8,054.00	56.00	0.00	0.00	8,419.00
MONTROSE GENERATING STATION	CLINTON	HENRY	4911	300.00	1,900.00	0.00	0.00	33.00	2,233.00
IATAN GENERATING STATION	WESTON	PLATTE	4911	260.00	3,000.00	0.00	0.00	0.00	3,260.00
MARSHALL MUNICIPAL UTILITIES POWER PLANT	MARSHALL	SALINE	4911	228.00	0.00	0.00	0.00	1,669.00	1,897.00
EAGLE-PICHER TECHNOLOGIES, LLC	JOPLIN	JASPER	2816	210.00	0.00	5.00	3.00	66,200.00	66,418.00
AMERENUE RUSH ISLAND POWER PLANT	FESTUS	JEFFERSON	4931	197.30	5,942.20	0.00	0.00	0.00	6,139.50
MODINE MANUFACTURING CO.	JEFFERSON CITY	COLE	3714	132.00	0.00	48.00	6.00	1,697.00	1,883.00
H-J ENTERPRISE, INC.	HIGH RIDGE	JEFFERSON	3643	78.00	0.00	0.00	0.00	5,572.00	5,650.00
BECTON DICKINSON ACCU-GLASS	ST. LOUIS	ST. LOUIS COUNTY	3229	74.70	0.00	0.00	0.00	9,131.90	9,206.60
CITY OF INDEPENDENCE	INDEPENDENCE	JACKSON	4911	71.40	11,365.00	0.00	2.00	0.00	11,438.40
METAL RECOVERY SYSTEMS, INC.	ST. LOUIS	ST. LOUIS COUNTY	3399	50.00	0.00	0.00	0.00	2,330.00	2,380.00
BASF CORP. - HANNIBAL PLANT	PALMYRA	MARION	2879	25.10	3.10	30.00	0.00	1,500.00	1,558.20
MODINE MANUFACTURING CO.	TRENTON	GRUNDY	3585	10.00	0.00	33.00	4.00	1,726.00	1,773.00
BUZZI UNICEM USA	CAPE GIRARDEAU	CAPE GIRARDEAU	3241	6.00	19,620.00	0.00	0.00	0.00	19,626.00
SPARTECH POLYCOM, INC.	CAPE GIRARDEAU	CAPE GIRARDEAU	3087	2.00	0.00	0.00	0.00	3,700.00	3,702.00
EBV EXPLOSIVES ENVIRONMENTAL CO.	JOPLIN	JASPER	4953	1.00	0.00	0.00	0.00	9,125.00	9,126.00
U.S. ARMY MANEUVER SUPPORT CENTER RANGES	FT LEONARD WOOD	PULASKI	9711	0.00	290,194.80	0.00	0.00	0.00	290,194.80
3M CO. - NEVADA	VERNON	NEVADA	3081	0.00	0.00	0.00	0.00	10,200.00	10,200.00
LAKE CITY ARMY AMMUNITION PLANT	INDEPENDENCE	JACKSON	3482	0.00	157.00	34.00	52.00	7,055.00	7,298.00
ESSEX ELECTRIC, INC.	SIKESTON	SCOTT	3357	0.00	0.00	0.00	0.00	2,199.00	2,199.00
CHEMICAL LIME CO.	STE. GENEVIEVE	STE. GENEVIEVE	3274	0.00	2,129.00	0.00	0.00	0.00	2,129.00
GILMOUR MFG.	EXCELSIOR SPRINGS	CLAY	3052	0.00	0.00	0.00	0.00	1,708.00	1,708.00
Sub Totals =				225,488.88	20,694,426.80	4,213.20	1,050.07	4,526,673.90	25,451,852.85

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)

**Table 18**  
**Missouri**  
**Releases of LEAD or LEAD COMPOUNDS to Surface Waters in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	STREAM NAME	RELEASES
BUICK MINE/MILL	BOSS	IRON	1031	CROOKED CREEK	1,158.00
BUICK MINE/MILL	BOSS	IRON	1031	INDIAN CREEK	842.00
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	BEE FORK CREEK	702.00
BRUSHY CREEK MINE/MILL	BUNKER	REYNOLDS	1031	BILL'S CREEK	673.00
BUICK MINE/MILL	BOSS	IRON	1031	STROTHER CREEK	299.00
FLETCHER MINE/MILL	BUNKER	REYNOLDS	1031	WEST FORK CREEK	104.00
SWEETWATER MINE/MILL	ELLINGTON	REYNOLDS	1031	ADAIR CREEK	85.00
DOE RUN RECYCLING FACILITY	BOSS	IRON	3341	CROOKED CREEK	65.00
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	MISSOURI RIVER	56.00
MODINE MANUFACTURING CO.	JEFFERSON CITY	COLE	3714	TRIBUTARY TO NORTH MOREAU CREEK	48.00
THE DOE RUN CO. HERCULANEUM SMELTER	HERCULANEUM	JEFFERSON	3339	MISSISSIPPI RIVER	35.00
LAKE CITY ARMY AMMUNITION PLANT	INDEPENDENCE	JACKSON	3482	TRIBUTARY TO LITTLE BLUE RIVER	34.00
MODINE MANUFACTURING CO.	TRENTON	GRUNDY	3585	UNNAMED TRIBUTARY TO THOMPSON RIVER	33.00
BASF CORP. - HANNIBAL PLANT	PALMYRA	MARION	2879	MISSISSIPPI RIVER	30.00
JAMES RIVER POWER STATION	SPRINGFIELD	GREENE	4931	JAMES RIVER	27.00
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	THOMAS HILL RESERVOIR	20.00
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	MISSISSIPPI RIVER	16.00
ENGINEERED COIL CO., DBA MARLO COIL	HIGH RIDGE	JEFFERSON	3585	ANTIRE CREEK	9.0000
LOREN COOK - DALE ST. PLANT	SPRINGFIELD	GREENE	3564	NORTH JORDAN CREEK, DRY	8.4000
GKN AEROSPACE SERVICES, INC.	HAZELWOOD	ST. LOUIS	3728	COLDWATER CREEK	7.0000
THE DOE RUN CO. GLOVER SMELTER	GLOVER	IRON	3339	SCOGGINS BRANCH	6.0000
EAGLE-PICHER TECHNOLOGIES, LLC	JOPLIN	JASPER	2816	LONE ELM CREEK	5.0000
FEDERAL MOGUL CORP.	MALDEN	DUNKLIN	3365	TRIBUTARY TO LITTLE RIVER DITCHES BASIN	4.0000
TRINITY MARINE PRODUCTS, INC.	CARUTHERSVILLE	PEMISCOT	3732	MISSISSIPPI RIVER	2.5900
INTERCONNECT TECHNOLOGIES, INC.	SPRINGFIELD	GREENE	3672	LITTLE SAC RIVER	2.5000
GETS GLOBAL SIGNALING	GRAIN VALLEY	JACKSON	3669	SNI A BAR CREEK	1.7000
GETS GLOBAL SIGNALING	WARRENSBURG	JOHNSON	3672	BLACKWATER RIVER	1.4000
PROCTER & GAMBLE PAPER PRODUCTS CO.	JACKSON	CAPE GIRARDEAU	2621	MISSISSIPPI RIVER	1.3000
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	MIDDLE FORK OF THE LITTLE CHARITON RIVER	1.0000
SOUTHWEST POWER STATION	BROOKLINE STATION	GREENE	4931	WILSON CREEK	1.0000
JEFFERSON PRODUCTS CO.	WASHINGTON	FRANKLIN	3499	TRIBUTARY OF BUSCH CREEK	1.0000
PLASTENE SUPPLY CO.	PORTAGEVILLE	NEW MADRID	3471	PORTAGE OPEN BAY	1.0000
EXIDE TECHNOLOGIES-CANON HOLLOW PLANT	FOREST CITY	HOLT	3341	CANON CREEK	1.0000
SIERRA BULLETS, LLC	SEDALIA	PETTIS	3482	SEWER BRANCH (LAMINE RIVER BASIN)	0.6800
INTERCONNECT TECHNOLOGIES, INC.	SPRINGFIELD	GREENE	3672	CLEAR CREEK	0.4000
LOXCREEN CO., INC.	HAYTI	PEMISCOT	3354	LITTLE RIVER DITCHES BASIN (DITCH #6)	0.3000
AMERENUE SIOUX POWER PLANT	WEST ALTON	ST. CHARLES	4931	MISSISSIPPI RIVER	0.2000
KINGSFORD MANUFACTURING CO.	BELLE	MARIES	2861	UNNAMED TRIBUTARY OF DRY FORK CREEK	0.1000
Total =					4,282.57

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)



water releases. Questions about lead contamination in the Herculaneum area can be directed to the Department of Natural Resources at 1-800-361-4827 or (573) 526-6627, or EPA at 1-800-223-0425.

An Internet site about the lead contamination in Herculaneum can be found at: <http://www.dnr.mo.gov/env/herc.htm>.

Lead releases to water are also a significant concern. Table 18 shows all of the companies that reported releases of lead and lead compounds to Missouri surface waters for RY2003. The water releases are down from RY2002 by 574.85 pounds, a decrease of 11.8 percent. Review of the data showed that this decrease was due primarily to decreases by the Fletcher and Sweetwater lead mines. In RY2002, these two mines reported 1,397 pounds and 1,377 pounds, respectively. See Table 18 for their 2003 levels. Increases by the Buick and Brushy Creek mines of 755 pounds and 543 pounds offset these decreases.

Note in Table 18 that several facilities are listed more than once. This is because these facilities reported releases to multiple streams. For example, the Buick mine reported releases to three different streams.

If additional information is desired about water releases of lead in Missouri, contact the Department of Natural Resources at 1-800-361-4827 or (573) 526-6627.

### **Mercury and Mercury Compounds**

RY2003 is the fourth year since the reporting threshold for mercury and mercury compounds was lowered to 10 pounds. Prior to 2000, the reporting thresholds were 25,000 or 10,000 pounds, depending on the use. This change initially had a significant impact on the number of companies that reported. In the first year, RY2000, the number went from zero to 32. In RY2001 there was very little change. The number only increased to 37. In RY2002 the number of companies reporting mercury went up to 48, a 29 percent increase.

In RY2003 the number reporting was 49, essentially no change from RY2002. However, the number of companies reporting releases greater than zero increased from 38 in RY2002 to 46 in RY2003.

Table 19 lists these 46 companies. As can be seen, the majority of the largest releases are from electric utilities, SIC 4911 or 4931. One facility stands out, however. Eagle-Picher Technologies in Joplin, Mo., reported an off-site disposal of 2,800 pounds, which is much greater than any of the other reported releases. It was found from the TRI data that Eagle-Picher is sending this waste to an out-of-state facility for "storage only." Although this is technically considered an off-site "release," it is obvious the material has not yet been "released" to the environment at this point.

If the off-site disposal by Eagle-Picher is disregarded, Table 19 shows that the major portion of releases of mercury and mercury compounds are reported as on-site air releases. As stated above, these releases are mainly from the electric utilities (SIC Code 4911 or 4931). The electric utilities burn very large volumes of coal, and coal by nature contains trace amounts of mercury, resulting in the quantities shown.

The total of 7,362.33 pounds shown in Table 19 is only 55.88 pounds less than the amount reported in RY2001, which is a small 0.8 percent decrease. However, if the off-site disposal by Eagle-Picher is discounted from both years, there was actually an increase of 245.12 pounds, a 5.7 percent increase.

Comparison of the RY2002 and RY2003 data showed that the AmerenUE Labadie, Meramec and Sioux power plants showed increases of 185.8, 64.9 and 62.9 pounds, respectively. The Thomas Hill power plant showed an increase of 134.6 pounds of total mercury releases.

**Table 19**  
**Missouri**  
**Facilities Reporting Releases of MERCURY and MERCURY COMPOUNDS in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	On-site Releases			Off-site Releases		TOTAL
				AIR	LAND	WATER	POTW	DISPOSAL	
EAGLE-PICHER TECHNOLOGIES, LLC	JOPLIN	JASPER	3692	0.00	0.00	0.00	0.00	2,800.00	2,800.00
AMERENUE LABADIE POWER PLANT	LABADIE	FRANKLIN	4931	959.70	53.80	0.00	0.00	0.00	1,013.50
AMERENUE RUSH ISLAND POWER PLANT	FESTUS	JEFFERSON	4931	505.30	36.10	0.00	0.00	1.60	543.00
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	375.00	59.00	3.60	0.00	0.00	437.60
AMERENUE SIOUX POWER PLANT	WEST ALTON	ST. CHARLES	4931	238.40	44.80	0.00	0.00	0.00	283.20
AMERENUE MERAMEC POWER PLANT	ST. LOUIS	ST. LOUIS	4931	219.40	40.80	0.00	0.00	0.00	260.20
IATAN GENERATING STATION	WESTON	PLATTE	4911	191.67	45.21	0.00	0.00	0.00	236.88
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	220.00	0.00	0.00	0.00	0.00	220.00
HOLCIM (US), INC. - CLARKSVILLE PLANT	CLARKSVILLE	PIKE	3241	209.00	0.00	0.00	0.00	0.00	209.00
BUZZI UNICEM USA	CAPE GIRARDEAU	CAPE GIRARDEAU	3241	161.00	30.00	0.00	0.00	0.00	191.00
RIVER CEMENT CO.	FESTUS	JEFFERSON	3241	157.06	1.90	0.00	0.00	0.00	158.96
MONTROSE GENERATING STATION	CLINTON	HENRY	4911	125.16	29.33	0.00	0.00	1.00	155.49
SIKESTON POWER STATION	SIKESTON	SCOTT	4911	124.00	0.00	0.00	0.00	0.00	124.00
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	84.00	35.00	0.00	0.00	0.00	119.00
SOUTHWEST POWER STATION	BROOKLINE STATION	GREENE	4931	75.00	30.00	0.10	0.00	0.00	105.10
JAMES RIVER POWER STATION	SPRINGFIELD	GREENE	4931	74.00	9.00	1.00	0.00	0.00	84.00
LAKE CITY ARMY AMMUNITION PLANT	INDEPENDENCE	JACKSON	3482	9.00	0.00	0.00	0.00	69.00	78.00
CONTINENTAL CEMENT CO., LLC	HANNIBAL	RALLS	3241	47.00	8.00	0.00	0.00	0.00	55.00
ASBURY GENERATING STATION	ASBURY	JASPER	4911	33.00	14.00	0.00	0.00	0.00	47.00
CITY OF INDEPENDENCE	INDEPENDENCE	JACKSON	4911	14.20	26.00	0.00	0.10	0.00	40.30
MISSISSIPPI LIME CO.	STE. GENEVIEVE	STE. GENEVIEVE	3274	35.98	1.80	0.00	0.00	0.00	37.78
LAKE ROAD STATION	ST. JOSEPH	BUCHANAN	4931	18.00	0.00	1.00	0.00	8.00	27.00
LAFARGE NORTH AMERICA	SUGAR CREEK	JACKSON	3241	23.00	0.00	0.00	0.00	2.00	25.00
HAWTHORN GENERATING FACILITY	KANSAS CITY	JACKSON	4911	16.29	4.51	0.00	0.00	0.00	20.80
ANHEUSER-BUSCH, INC.	ST. LOUIS	ST. LOUIS	2082	0.83	19.54	0.00	0.00	0.00	20.37
MISSOURI CHEMICAL WORKS	LOUISIANA	PIKE	2869	10.00	5.00	0.00	0.00	0.00	15.00
CHEMICAL LIME CO.	STE. GENEVIEVE	STE. GENEVIEVE	3274	13.10	0.00	0.00	0.00	0.00	13.10
CHAMOIIS POWER PLANT	CHAMOIIS	OSAGE	4911	13.00	0.00	0.00	0.00	0.00	13.00
COLUMBIA MUNICIPAL POWER PLANT	COLUMBIA	BOONE	4911	2.83	7.38	0.00	0.00	0.00	10.21
INVENSYS APPLIANCE CONTROLS	WEST PLAINS	HOWELL	3822	6.00	1.49	0.00	0.00	1.49	8.98
BOEHRINGER INGELHEIM VETMEDICA, INC.	ST. JOSEPH	BUCHANAN	2836	0.00	0.00	0.00	0.00	4.71	4.71
MALLINCKRODT, INC.	ST. LOUIS	ST. LOUIS CITY	2833	2.00	0.00	0.00	0.00	0.44	2.44
POLY ONE CORP.	ST. LOUIS	ST. LOUIS CITY	3087	0.000	0.000	0.000	0.000	1.410	1.410
ARTCO NORTH TERMINAL	ST. LOUIS	ST. LOUIS CITY	5171	1.032	0.000	0.000	0.000	0.000	1.032
MCDONNELL DOUGLAS CORP.	BERKELEY	ST. LOUIS	3721	0.160000	0.000000	0.000000	0.000000	0.000170	0.160170
PROCTER & GAMBLE MANUFACTURING CO.	ST. LOUIS	ST. LOUIS CITY	2841	0.100000	0.000000	0.000000	0.000000	0.000000	0.100000
CONCRETE CO. OF SPRINGFIELD	SPRINGFIELD	GREENE	3273	0.004000	0.000000	0.000000	0.000000	0.000000	0.004000
CONCRETE CO. OF THE OZARKS	HOLLISTER	TANEY	3273	0.002000	0.000000	0.000000	0.000000	0.000000	0.002000
MID-CONTINENT MATERIALS	NIXA	CHRISTIAN	3273	0.002000	0.000000	0.000000	0.000000	0.000000	0.002000
CENTURY CONCRETE, INC.	LEE'S SUMMIT	JACKSON	3273	0.001600	0.000000	0.000000	0.000000	0.000000	0.001600
CONCRETE CO. OF SPRINGFIELD	REPUBLIC	GREENE	3273	0.001000	0.000000	0.000000	0.000000	0.000000	0.001000
FORDYCE CONCRETE CO., INC.	KANSAS CITY	JACKSON	3273	0.000600	0.000006	0.000000	0.000000	0.000000	0.000606
FORDYCE CONCRETE CO., INC.	KANSAS CITY	CLAY	3273	0.000600	0.000006	0.000000	0.000000	0.000000	0.000606
CENTURY CONCRETE, INC.	KANSAS CITY	PLATTE	3273	0.000200	0.000002	0.000000	0.000000	0.000000	0.000202
CENTURY CONCRETE, INC.	BELTON	CASS	3273	0.000200	0.000002	0.000000	0.000000	0.000000	0.000202
LONE WOLF ENTERPRISES, INC.	HARRISONVILLE	CASS	3273	0.000005	0.000000	0.000000	0.000000	0.000000	0.000005
Totals =				3,964.22	502.66	5.70	0.10	2,889.65	7,362.33

Source: Missouri TRI Database - 2003 data

Totals =

(All units are in pounds.)

However, these increases were offset by other power plants showing decreases. The Hawthorn Generating Facility showed a decrease of 111.2 pounds. And the Sikeston Power Station and the New Madrid power plants each showed 67 and 60 pound decreases. Missouri Chemical Works, which is not an electric utility, showed a 135 pound decrease.

All of these increases and decreases off-set with the overall 245.12 pound increase noted above. The reasons for these changes are not discernable from the TRI data. Part of the reason may be due to production requirements, or, as was noted earlier for the power plants, it may be due to differences in the composition of the coal.

As may also be noted in Table 19, the total releases of mercury and mercury compounds are relatively low compared to releases of lead or lead compounds or other TRI chemicals. However, due to the persistent, bioaccumulative and toxic nature of mercury, these levels of releases are still considered significant and need to be taken into consideration when evaluating potential health risks. However, assessment of risk is outside the scope of the TRI.

More information about mercury and mercury compounds can be found on the Internet at the EPA web site <http://www.epa.gov/mercury/index.html>.

Table 20 provides a listing of reported releases of mercury compounds to Missouri streams. These were the only reported releases of mercury to waters of the state for RY2003. A fact sheet about mercury impaired waters in Missouri can be accessed on the Internet at <http://www.dnr.mo.gov/wpscd/wpcp/tmdl/info/mercury-info.pdf>.

A fish advisory published by the Missouri Department of Health can be accessed at <http://www.health.state.mo.us/NewsAndPublicNotices/05FishAdvisory.pdf>. This advisory, in part, deals with fish that are contaminated with mercury in Missouri.

**Table 20**  
**Missouri**  
**Releases of MERCURY and MERCURY COMPOUNDS to Surface Waters in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	STREAM NAME	RELEASES
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	MIDDLE FORK OF THE LITTLE CHARITON RIVER	3.00000
JAMES RIVER POWER STATION	SPRINGFIELD	GREENE	4931	JAMES RIVER	1.00000
LAKE ROAD STATION	ST. JOSEPH	BUCHANAN	4931	MISSOURI RIVER	1.00000
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	THOMAS HILL RESERVOIR	0.60000
SOUTHWEST POWER STATION	BROOKLINE STATION	GREENE	4931	WILSON CREEK	0.10000
Total =					5.70000

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)

## Organic PBT Chemicals

The PBT chemicals to be discussed in this section are all of the PBT chemicals other than lead, mercury or dioxin and their compounds. These PBT chemicals are organic compounds, which are chemicals made up of carbon and hydrogen, and include pesticides such as pendimethalin, trifluralin or methoxychlor.

For RY2003, there were a total of 56 companies that reported organic PBT chemicals. However, only 35 reported releases greater than zero. A list of these 35 companies is provided in Table 22.

Table 21, shown below, provides a comparison for the releases by media between RY2002 and RY2003. Positive numbers indicate increases and negative numbers indicate decreases. As can be seen, there were increases in all media except POTW. However, the really significant changes were in air and off-site disposal. The large percentage changes in the Land, Water and POTW are not really significant because of the small values in both reporting years.

**Table 21**  
**Missouri**  
**Organic PBT Release Comparisons by Media by Year**

	RY2002	RY2003	#CHG	%CHG
AIR	5,366.04	5,805.61	439.56	8.2%
LAND	1.00	1.20	0.20	20.0%
WATER	4.00	10.47	6.47	161.8%
POTW	2.05	0.00	-2.05	-100.0%
DISPOSAL	960.10	1,064.90	104.80	10.9%
TOTAL	6,331.14	6,882.18	551.03	8.7%

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)

The PBT chemicals discussed in this section have a minimum reporting requirement of 0.1 pounds. However, facilities are encouraged to report the smallest decimal place that the data or estimation techniques allow. As can be seen in Table 22, some companies reported releases down to the fifth decimal place.

The data in Table 22 is sorted in descending order based on total releases. Based on this, Noranda Aluminum in New Madrid, Mo., is at the top of the list. However Noranda also showed the largest decrease between RY2002 and RY2003. For RY2002, they had reported releasing 4,558 pounds of polycyclic aromatic compounds, or PACs, to the air. For RY2003 they reported 4,294 pounds, a decrease of 264 pounds or 5.8 percent.

This decrease, however, was offset by increased air releases of PACs by Holcim (US), Inc. in Clarksville, Mo. In RY2002, Holcim, Inc. had not reported any PAC air releases. Therefore their reported releases of 860 pounds for RY2003 more than offset the decrease by Noranda Aluminum.

Two other companies that showed significant changes were: Michelin Aircraft Tire in Kansas City, which had a 240 pound increase and Harbison Walker Refractories in Vandalia, Mo., which had a 78.3 pound decrease.

These changes, along with other smaller ones, resulted in the overall increase shown in Table 21. However, it should be noted that the total releases in RY2001 had been 10,956 pounds and in RY2000, the first year of reporting for this category, it had been 12,506 pounds. Thus total releases have decreased significantly over these first few years of reporting.

If you desire additional information about these releases, either see Appendix C or contact the department's Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627 for further information.

**Table 22**  
**Missouri**  
**Facilities Reporting Releases of ORGANIC PBT CHEMICALS in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	CHEMICAL NAME	AIR	LAND	WATER	POTW	OFF-SITE DISPOSAL	TOTAL
NORANDA ALUMINUM, INC.	NEW MADRID	NEW MADRID	3334	POLYCYCLIC AROMATIC CMPDS	4,294.00	0.00	0.00	0.00	0.00	4,294.00
HOLCIM (US), INC. - CLARKSVILLE PLANT	CLARKSVILLE	PIKE	3241	POLYCYCLIC AROMATIC CMPDS	860.00	0.00	0.00	0.00	0.00	860.00
TAMKO ROOFING PRODUCTS, INC.	JOPLIN	JASPER	2952	BENZO(G,H,I)PERYLENE	4.00	0.00	0.00	0.00	437.00	441.00
MICHELIN AIRCRAFT TIRE CORP.	KANSAS CITY	PLATTE	3011	POLYCYCLIC AROMATIC CMPDS	0.00	0.00	0.00	0.00	400.00	400.00
APAC ASPHALT PLANT	LINN CREEK	BOONE	2951	POLYCYCLIC AROMATIC CMPDS	194.00	0.00	0.00	0.00	0.00	194.00
BRIGGS & STRATTON CORP.	POPLAR BLUFF	BUTLER	3519	POLYCYCLIC AROMATIC CMPDS	155.00	0.00	0.00	0.00	0.00	155.00
MISSOURI TIE & TIMBER, INC.	REYNOLDS	REYNOLDS	2491	POLYCYCLIC AROMATIC CMPDS	124.31	0.00	0.00	0.00	0.00	124.31
TAMKO ROOFING PRODUCTS, INC.	JOPLIN	JASPER	2952	POLYCYCLIC AROMATIC CMPDS	23.00	0.00	0.00	0.00	96.00	119.00
HARBISON WALKER REFRACTORIES	VANDALIA	AUDRAIN	3255	POLYCYCLIC AROMATIC CMPDS	0.00	0.00	0.00	0.00	117.70	117.70
NORANDA ALUMINUM, INC.	NEW MADRID	NEW MADRID	3334	BENZO(G,H,I)PERYLENE	53.00	0.00	0.00	0.00	0.00	53.00
AVENTIS	KANSAS CITY	JACKSON	2834	POLYCYCLIC AROMATIC CMPDS	32.30	0.20	0.40	0.00	0.20	33.10
BASF CORP. - HANNIBAL PLANT	PALMYRA	MARION	2879	PENDIMETHALIN	20.00	1.00	10.00	0.00	0.00	31.00
3M CO. - SPRINGFIELD	SPRINGFIELD	GREENE	2891	TETRABROMOBISPHENOL A	16.00	0.00	0.00	0.00	0.00	16.00
TAMKO ROOFING PRODUCTS, INC.	JOPLIN	JASPER	2952	POLYCYCLIC AROMATIC CMPDS	0.00	0.00	0.00	0.00	13.00	13.00
JEFFERSON CITY TERMINAL	JEFFERSON CITY	COLE	5171	POLYCYCLIC AROMATIC CMPDS	8.000	0.000	0.000	0.000	0.000	8.000
HOWARD JOHNSON'S ENTERPRISES, INC.	NEOSHO	NEWTON	2875	TRIFLURALIN	5.000	0.000	0.000	0.000	0.000	5.000
AMERENUE RUSH ISLAND POWER PLANT	FESTUS	JEFFERSON	4931	POLYCYCLIC AROMATIC CMPDS	3.200	0.000	0.000	0.000	0.000	3.200
ALBAUGH, INC.	ST. JOSEPH	BUCHANAN	2879	TRIFLURALIN	3.000	0.000	0.000	0.000	0.000	3.000
AMERENUE SIOUX POWER PLANT	WEST ALTON	ST. CHARLES	4931	POLYCYCLIC AROMATIC CMPDS	2.300	0.000	0.000	0.000	0.000	2.300
AMERENUE MERAMEC POWER PLANT	ST. LOUIS	ST. LOUIS	4931	POLYCYCLIC AROMATIC CMPDS	2.100	0.000	0.000	0.000	0.000	2.100
GENERAL MOTORS - WENTZVILLE ASSEMBLY	WENTZVILLE	ST. CHARLES	3713	POLYCYCLIC AROMATIC CMPDS	2.000	0.000	0.000	0.000	0.000	2.000
PERFORMANCE ROOF SYSTEMS, INC.	KANSAS CITY	JACKSON	2952	POLYCYCLIC AROMATIC CMPDS	1.550	0.000	0.000	0.000	0.000	1.550
ARTCO NORTH TERMINAL	ST. LOUIS	ST. LOUIS CITY	5171	POLYCYCLIC AROMATIC CMPDS	1.008	0.000	0.000	0.000	0.000	1.008
ARTCO NORTH TERMINAL	ST. LOUIS	ST. LOUIS CITY	5171	BENZO(G,H,I)PERYLENE	1.008	0.000	0.000	0.000	0.000	1.008
THE P.D. GEORGE CO.	ST. LOUIS	ST. LOUIS CITY	2851	TETRABROMOBISPHENOL A	0.000	0.000	0.000	0.000	1.000	1.000
INTERNATIONAL PAPER	JOPLIN	JASPER	2491	POLYCYCLIC AROMATIC CMPDS	0.30000	0.00000	0.00000	0.00000	0.00000	0.30000
PROCTER & GAMBLE PAPER PRODUCTS CO.	JACKSON	CAPE GIRARDEAU	2621	POLYCYCLIC AROMATIC CMPDS	0.17000	0.00000	0.00000	0.00000	0.00000	0.17000
PERFORMANCE ROOF SYSTEMS, INC.	KANSAS CITY	JACKSON	2952	BENZO(G,H,I)PERYLENE	0.12000	0.00000	0.00000	0.00000	0.00000	0.12000
GENERAL MOTORS - WENTZVILLE ASSEMBLY	WENTZVILLE	ST. CHARLES	3713	BENZO(G,H,I)PERYLENE	0.10000	0.00000	0.00000	0.00000	0.00000	0.10000
CARROLLTON STATION & TERMINAL	CARROLLTON	CARROLL	5171	POLYCYCLIC AROMATIC CMPDS	0.09000	0.00000	0.00000	0.00000	0.00000	0.09000
BASF CORP. - HANNIBAL PLANT	PALMYRA	MARION	2879	TRIFLURALIN	0.00000	0.00000	0.07000	0.00000	0.00000	0.07000
ASA ASPHALT, INC.	ADVANCE	STODDARD	2951	POLYCYCLIC AROMATIC CMPDS	0.02030	0.00000	0.00000	0.00000	0.00000	0.02030
OMNIUM	ST. JOSEPH	BUCHANAN	2879	TRIFLURALIN	0.02000	0.00000	0.00000	0.00000	0.00000	0.02000
CARROLLTON STATION & TERMINAL	CARROLLTON	CARROLL	5171	BENZO(G,H,I)PERYLENE	0.00900	0.00000	0.00000	0.00000	0.00000	0.00900
ASA ASPHALT, INC.	ADVANCE	STODDARD	2951	BENZO(G,H,I)PERYLENE	0.00227	0.00000	0.00000	0.00000	0.00000	0.00227
Totals =					5,805.61	1.20	10.47	0.00	1,064.90	6,882.18

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)

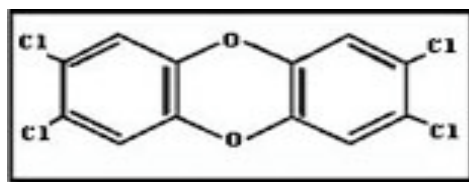
## **Dioxin and Dioxin-Like Compounds**

The dioxin and dioxin-like compounds (DLCs) category was first added to the TRI in RY2000. However, information about dioxin and DLCs has been available for several years. Many Missourians will relate to these chemicals because of the dioxin contamination and clean-up project in Times Beach, Mo. Times Beach was a small river town just outside of St. Louis where dioxin contaminated oil was spread on roads as a dust suppressant. Due to the toxicity of the dioxin contamination, the whole town had to be evacuated. The clean up took several years, and the area is now a state park.

Dioxin and DLCs are a family of chemicals that have two benzene rings connected by a third oxygenated ring. If there is a single oxygen atom in the connecting ring, the chemical is known as a dibenzofuran (DF). If there are two oxygen atoms, it is known as a dibenzo-p-dioxin (DD). See Figures 5 and 6. Furthermore, the dioxins and furans of concern have chlorine atoms at one or more of the hydrogen atoms in the outer benzene rings and are known as chlorinated dibenzo-p-dioxins or furans. The most toxic and most highly studied dioxin is the one with four chlorine atoms, one each at the 2,3,7,8 positions. A diagram of this dioxin is shown in Figure 6. The similar dibenzofuran is shown in Figure 7.

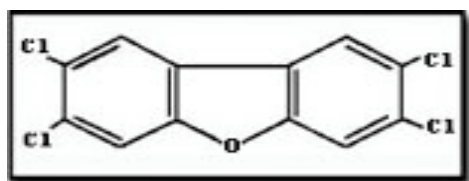
A total of 75 dioxins and 175 furans can exist. However, there are only 17 that are included in the dioxin and dioxin-like compounds category required to be

reported under the TRI. These are the dioxins and furans that are considered the most toxic. They have chlorine atoms at the 2,3,7,8 positions, as well as other positions.



2,3,7,8 Tetrachlorodibenzo-p-dioxin

**Figure 5**



2,3,7,8 Tetrachlorodibenzofuran

**Figure 6**

It is beyond the scope of this report to list all of the dioxins and furans here or to differentiate which ones were reported. However, this detailed data is available. The Form R requires that the reporting facility report what percentage of each type of dioxin is being released, if that data is available, because each dioxin and furan has a different level of toxicity. If more information is needed about the specific dioxins reported, you can contact the Environmental Assistance Office at 1-800-361-4837 or (573)526-6627.

Table 23 lists all of the reported releases of dioxin and DLCs in Missouri for RY2003. Note that these units are in grams. The reporting threshold for dioxin and DLCs is 0.1 grams. Grams are a very small fraction of a pound. One pound equals 453.6 grams, or one gram equals 0.002205 pounds.

Dioxins and furans are not manufactured intentionally but are by-products of high temperature processes. Electric utilities that combust coal or fuel oil can be a major source of dioxin and dioxin-like compounds (see Table 23). Dioxins can also be formed when household trash is burned or during forest fires. Chlorine bleaching of pulp and paper, certain types of chemical manufacturing and processing, and other high temperature industrial processes can all create small quantities of dioxins. Cigarette smoke even contains small amounts of dioxins.

Note in Table 23, that the change between RY2002 and RY2003 is provided as the quantity (in grams) and percent change in the last two columns. Negative numbers indicate decreases and positive numbers are increases.

The total dioxin releases for RY2002 was 66.9389 grams. As can be seen in Table 23, the total releases for RY2003 was only 43.7437 grams, a decrease of 23.1952 grams, or 34.7 percent. Much of this decrease was in the air releases. In RY2002 the total air release was 59.6882 grams, or 18.2218 grams greater than in RY2003. This is a very positive trend. Some of the companies that affected these decreases will be discussed in the following paragraphs.

As seen in Table 23, Holcim (US), Inc., along with River Cement Company, are at

the top of the list. These companies are both cement manufacturers. Cement manufacturers typically burn fuels such as coal, and/or waste chemicals, at very high temperatures to form the cement. Dioxins and DLCs form during these combustion processes or during the cooling of the hot combustion gases.

In RY2002, Continental Cement Co. had been at the top of the list with an air release of 17.09 grams and a land release of 1.1 grams; an 18.19 gram total. In RY2003 they reported only 0.74 grams total, a decrease of 17.45 grams, or 95.9 percent. This is a very large decrease. Discussions with Continental revealed that this reduction was a result of installing temperature controls at the exit of the kiln to reduce the temperature of the exhaust gases. This greatly reduced the amount of dioxins being created. Continental Cement confirmed this reduction through the results of a "stack test." This is where the exhaust gases are sampled and analyzed for their components.

Reductions in air emissions of dioxins and installation of the temperature controls was part of a federally mandated Maximum Achievable Control Technology (MACT) standard required of cement kilns nation wide. The large reduction by Continental is very beneficial for the environment. Holcim also showed a significant decrease, minus 2.3 grams or 17.7 percent, but not nearly as great as Continental's. The difference may be in part due to differences in processing methods. River Cement actually showed a small increase. See Table 23.

**Table 23**  
**Missouri**  
**Facilities Reporting Releases of DIOXIN and DIOXIN-LIKE COMPOUNDS in RY2003**

FACILITY NAME	CITY	COUNTY	SIC CODE	On-site Releases			Off-site Releases		TOTAL RELEASES	2003 minus 2002	
				AIR	LAND	WATER	POTW <sup>(1)</sup>	DISPOSAL		Qty. Change	% Chg.
HOLCIM (US), INC. - CLARKSVILLE PLANT	CLARKSVILLE	PIKE	3241	10.7	0	0	0	0	10.7000	-2.300	-17.7%
RIVER CEMENT CO.	FESTUS	JEFFERSON	3241	6.91	0	0	0	0	6.9100	0.370	5.7%
DOE RUN RECYCLING FACILITY	BOSS	IRON	3341	5	0	0	0	0	5.0000	0.000	0.0%
NEW MADRID POWER PLANT	MARSTON	NEW MADRID	4911	3.2	0	0	0	0	3.2000	-0.100	-3.0%
MOST, INC.	TROY	LINCOLN	3341	2.04	0	0	0	0	2.0400	0.011	0.6%
THOMAS HILL ENERGY CENTER	CLIFTON HILL	RANDOLPH	4911	2	0	0	0	0	2.0000	0.400	25.0%
ASBURY GENERATING STATION	ASBURY	JASPER	4911	1.26	0	0	0	0	1.2600	0.160	14.5%
AMERENUE LABADIE POWER PLANT	LABADIE	FRANKLIN	4931	1.2524	0	0	0	0	1.2524	0.188	17.7%
IATAN GENERATING STATION	WESTON	PLATTE	4911	1.1793	0	0	0	0	1.1793	0.155	15.1%
EXIDE TECHNOLOGIES	FOREST CITY	HOLT	3341	0	1	0	0	0	1.0000	-0.360	-26.5%
HAWTHORN GENERATING FACILITY	KANSAS CITY	JACKSON	4911	0.9525	0	0	0	0	0.9525000	0.021	2.3%
SIKESTON POWER STATION	SIKESTON	SCOTT	4911	0.86	0	0	0	0	0.8600000	0.010	1.2%
CONTINENTAL CEMENT CO., LLC	HANNIBAL	RALLS	3241	0.05	0.69	0	0	0	0.7400000	-17.450	-95.9%
MONTROSE GENERATING STATION	CLINTON	HENRY	4911	0.7031	0	0	0	0	0.7031000	0.005	0.7%
SIBLEY GENERATING STATION	SIBLEY	JACKSON	4911	0.68	0	0	0	0	0.6800000	0.030	4.6%
AMERENUE RUSH ISLAND POWER PLANT	FESTUS	JEFFERSON	4931	0.6271	0	0	0	0	0.6271000	0.071	12.8%
INTERNATIONAL PAPER	JOPLIN	JASPER	2491	0	0	0.4552	0.5343	0	0.4552000	-4.080	-90.0%
AMERENUE SIOUX POWER PLANT	WEST ALTON	ST. CHARLES	4931	0.4506	0	0	0	0	0.4506000	-0.018	-3.7%
AMERENUE MERAMEC POWER PLANT	ST. LOUIS	ST. LOUIS	4931	0.4405	0	0	0	0	0.4405000	0.081	22.4%
CLARIANT LSM (MISSOURI) INC.	SPRINGFIELD	GREENE	2833	0.427	0	0	0.228	0	0.4270000	-0.262	-38.0%
JAMES RIVER POWER STATION	SPRINGFIELD	GREENE	4931	0.38	0	0	0	0	0.3800000	-0.020	-5.0%
SOUTHWEST POWER STATION	BROOKLINE STATION	GREENE	4931	0.3	0	0	0	0	0.3000000	0.040	15.4%
CHEMICAL LIME CO.	STE. GENEVIEVE	STE. GENEVIEVE	3274	0.2881	0	0	0	0	0.2881000	0.001	0.2%
CITY OF INDEPENDENCE	INDEPENDENCE	JACKSON	4911	0.26	0	0	0	0	0.2600000	0.140	116.7%
MISSISSIPPI LIME CO.	STE. GENEVIEVE	STE. GENEVIEVE	3274	0.25	0	0	0	0	0.2500000	0.110	78.6%
CHAMOIIS POWER PLANT	CHAMOIIS	OSAGE	4911	0.23	0	0	0	0	0.2300000	0.010	4.5%
ANHEUSER-BUSCH, INC.	ST. LOUIS	ST. LOUIS	2082	0.217	0	0	0	0	0.2170000	0.002	0.9%
LAKE ROAD STATION	ST. JOSEPH	BUCHANAN	4931	0.19	0	0	0	0	0.1900000	0.000	0.0%
MISSOURI CHEMICAL WORKS	LOUISIANA	PIKE	2869	0.19	0	0	0	0	0.1900000	0.000	0.0%
ALUMAX FOILS, INC.	ST. LOUIS	ST. LOUIS CITY	3353	0.0279467	0	0	0	0.12726	0.1552067	-0.070	-31.2%
LAFARGE NORTH AMERICA	SUGAR CREEK	JACKSON	3241	0.1247	0	0	0	0	0.1247000	0.125	0.0%
LOXCREEN CO., INC.	HAYTI	PEMISCOT	3354	0.112845	0	0	0	0	0.1128450	-0.037	-24.8%
BASF CORP. - HANNIBAL PLANT	PALMYRA	MARION	2879	0.09	0	0	0	0	0.0900000	-0.010	-10.0%
HYDRO ALUMINUM NORTH AMERICA	MONETT	BARRY	3354	0.064	0	0	0	0	0.0640000	-0.186	-74.4%
PROCTER & GAMBLE PAPER PRODUCTS CO.	JACKSON	CAPE GIRARDEAU	2621	0.0093	0	0.0047	0	0.0001	0.0141000	0.008	123.8%
Totals =				41.4664	1.6900	0.4599	0.7623	0.1274	43.7436517	-22.956	-35.8%

Source: Missouri TRI Database - 2003 data

(All units are in grams.)

(1) Dioxin is a non-metal and is considered treated at a POTW and therefore is not included in the Total Releases sum. It is listed here for reference.



Many of the remaining facilities shown in Table 23 are electric utilities (SIC 4911 or 4931). Most of these showed only minor changes, see Table 23.

One other company that showed a large change in its reported releases was International Paper in Joplin, Mo. For RY2002 they had reported a water release of 4.5347 grams. In RY2003 they reported 0.4552 grams, a decrease of 4.080 grams or 90.0 percent. Discussions with the contact for International Paper revealed that this reduction was not due to production changes but changes in the way they calculated the amount of stormwater run-off from their property. They said that the RY2002 value was an over estimate. International Paper said they have applied for a permit to capture all of the run-off rainwater and treat it onsite to eliminate their discharge of dioxin and dioxin-like compounds.

Although the quantities of dioxins and DLCs releases are very low, much less than a pound total, and especially as compared to other TRI chemicals, these releases are still of concern because of the nature and toxicity of these compounds.

In Missouri, there were only three reported releases of dioxin and dioxin-like compounds to Missouri streams. These releases are shown in Table 24.

Additional information about dioxin and dioxin like compounds can be accessed on the Internet at:

<http://cfpub2.epa.gov/ncea/cfm/part1and2.cfm> or at:  
<http://www.epa.gov/tri/lawsandregs/pbt/pbtrule.htm>.

**Table 24**  
**Missouri**  
**Surface Water Releases of DIOXIN and DIOXIN LIKE COMPOUNDS Reported in RY2003**

FACILITY NAME	CITY	COUNTY	SIC	STREAM NAME	RELEASE
INTERNATIONAL PAPER	JOPLIN	JASPER	2491	UNNAMED TRIBUTARY TO JOPLIN CREEK	0.44200
INTERNATIONAL PAPER	JOPLIN	JASPER	2491	UNNAMED TRIBUTARY TO SILVER CREEK	0.01320
PROCTER & GAMBLE PAPER PRODUCTS CO.	JACKSON	CAPE GIRARDEAU	2621	MISSISSIPPI RIVER	0.00470
Total =					0.45990

Source: Missouri TRI Database - 2003 data

(Units are in **grams**)

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# Trends Analysis

As it is important to look at TRI releases in a given year, it is also important to look at trends over time. Since the new industries have only been reporting since 1998 and their releases so markedly affect the total releases, the new industries and the original industries will be discussed separately in this section.

## Original Industries

Table 25 lists all of the releases by media for the original industries since 1988. Note that over this period there have been large changes in the total releases, in particular, see the CHANGE and % CHG columns. In the initial years, very large reductions in total releases were achieved. This can be seen in the 47.9 million pound decrease the first year, and the very significant decreases in the years through the mid-

1990s. Between 1994 and 1999 the numbers somewhat stabilized except for a few reporting changes that caused sharp increases in some media and decreases in others, see the WATER and POTW releases between 1994 and 1995. After 1996 the reporting requirements did not change significantly, except for the addition of the PBT chemicals in RY2000, which did not have a significant impact on the total releases. Overall, between 1988 and 2003, there has been a 64.0 percent decrease in total annual releases. See Table 25.

Note in Table 25 that not all of the POTW values are included in the TOTAL column, only those values after 1998. Reporting of transfers to POTWs did not start until after the Pollution Prevention Act of 1990. Furthermore,

**Table 25**  
**Missouri**  
**Original Industry Releases by Year<sup>(1)</sup>**

(Units are in pounds.)

RY	AIR	LAND	WATER	POTW <sup>(2)</sup>	DISPOSAL	TOTAL <sup>(4)</sup>	CHANGE <sup>(3)</sup>	% CHG
1988	52,409,588	43,009,771	2,168,982		32,183,480	129,771,821	---	---
1989	49,644,776	27,574,966	1,262,148		3,373,873	81,855,763	-47,916,058	-36.9%
1990	47,338,161	22,964,681	1,519,020		3,134,723	74,956,585	-6,899,178	-8.4%
1991	36,936,375	23,829,449	1,230,181	25,885,688	2,501,763	64,497,768	-10,458,817	-14.0%
1992	37,313,346	17,338,852	1,115,179	22,848,628	2,704,083	58,471,460	-6,026,308	-9.3%
1993	33,348,689	18,101,934	1,438,746	21,833,035	3,997,018	56,886,387	-1,585,073	-2.7%
1994	30,561,446	16,631,294	1,305,204	20,076,955	5,229,292	53,727,236	-3,159,151	-5.6%
1995	31,808,470	14,585,213	3,740,978	7,105,639	3,762,984	53,897,645	170,409	0.3%
1996	35,571,579	17,033,956	3,634,629	6,452,058	4,255,946	60,496,110	6,598,465	12.2%
1997	33,850,727	20,171,157	5,010,714	7,345,274	5,350,115	64,382,713	3,886,603	6.4%
1998	30,454,406	19,826,686	3,070,223	4,410,772	4,340,370	57,691,685	-6,691,028	-10.4%
1999	29,375,844	19,575,095	3,343,958	138,013	4,598,664	57,031,574	-660,111	-1.1%
2000	26,602,028	24,186,007	1,793,810	129,786	5,798,400	58,510,031	1,478,457	2.6%
2001	22,633,624	25,513,675	1,517,734	76,504	7,156,967	56,898,504	-1,611,527	-2.8%
2002	23,157,152	23,524,774	4,461,136	79,209	6,516,873	57,739,144	840,640	1.5%
2003	21,914,830	14,134,038	2,582,666	145,946	7,908,024	46,685,504	-11,053,640	-19.1%

Source: Missouri TRI Database

(1) These numbers do not include dioxin or dioxin-like compounds.

(2) Refer to text for reasons for large fluctuations in numbers.

(3) This is the quantity change(in pounds) from the previous year to the current year, e.g. (2001 minus 2000) or (2003 minus 2002). Therefore negative numbers indicate decreases and positive numbers are increases.

(4) This number does not include POTW, see text for reasons.

between 1991 and 1998 all transfers to POTWs were considered off-site treatment and not releases to the environment. These values also included both metals and non-metals. It was only after 1998 that transfers of metals to POTWs were separated out and only these transfers were considered releases to the environment. Therefore, only the data since 1999 is included in the TOTALs column. Also, because of these issues, the POTW data is not plotted in the following figures or graphs.

Figure 7 is a stacked bar graph that shows the general pattern of total releases for the original industries since 1997. The data used is from Table 25. By its nature, a bar graph provides a look at the sum of the four media listed and also provides a look at the variations that are occurring within those media.

Looking at Figure 7, it can be seen that the AIR releases, the bottom hashed areas, have shown a consistent downward trend. Also, although the LAND releases, the dark gray sections, appear to be going up between 1997 and 2001, they are decreasing again between 2001 and 2003.

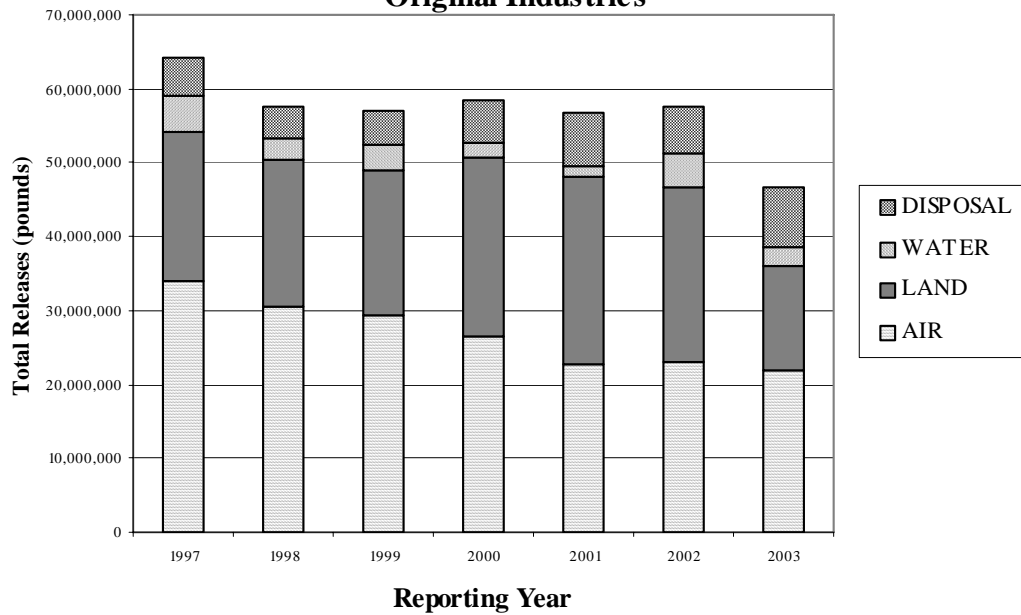
Because the WATER and DISPOSAL sections are small they are more difficult to discern the changes. Figure 8 provides an XY plot of the same data shown in Figure 7. Here it can again be seen that the AIR releases (◆) have shown a consistent downward trend as have the LAND releases (■) since 2001. It can also be seen that the off-site DISPOSAL releases (\*) have been increasing steadily since 1999 through 2003. Note that many of the reasons for these changes and the companies that

have affected these changes have been discussed previously in this report.

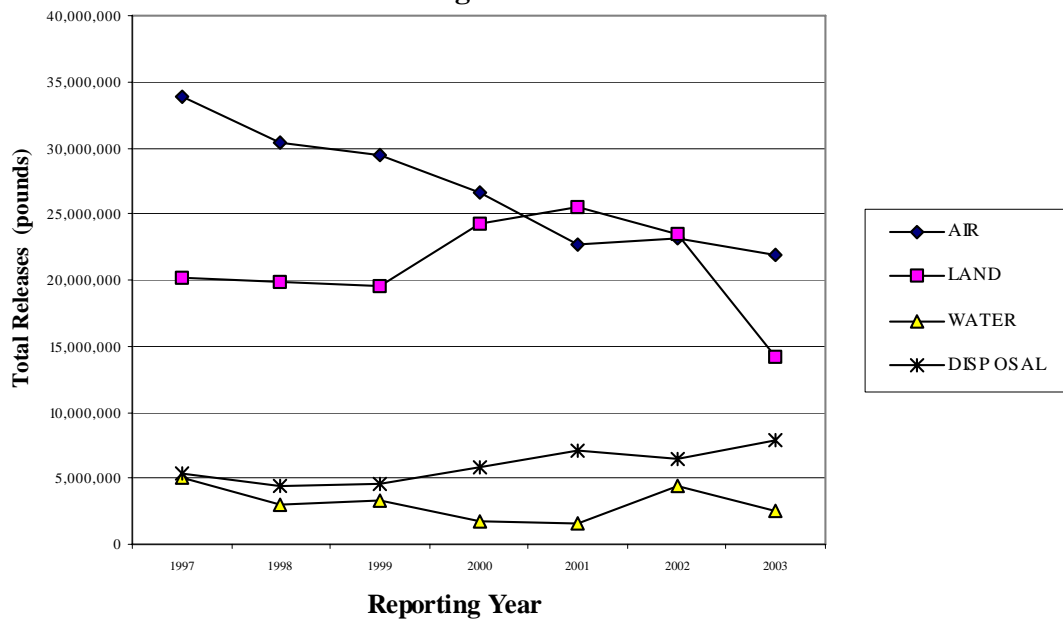
Due to the scale in Figure 8 it is somewhat difficult to see the downward trends in WATER releases (▲), therefore this data is re-plotted in Figure 9, on page 55. Here it can very easily be seen that there was a solid downward trend between 1997 and 2001 and then a large increase in 2002. Then in 2003 there has been another large decrease. As discussed previously, the sharp increase in 2002 and then the decrease in 2003 was due the reporting of nitrate compounds by Tyson Foods, Inc. in Sedalia, Mo. Although the sharp increase was not desirable, the decrease in 2003 is a very positive trend.

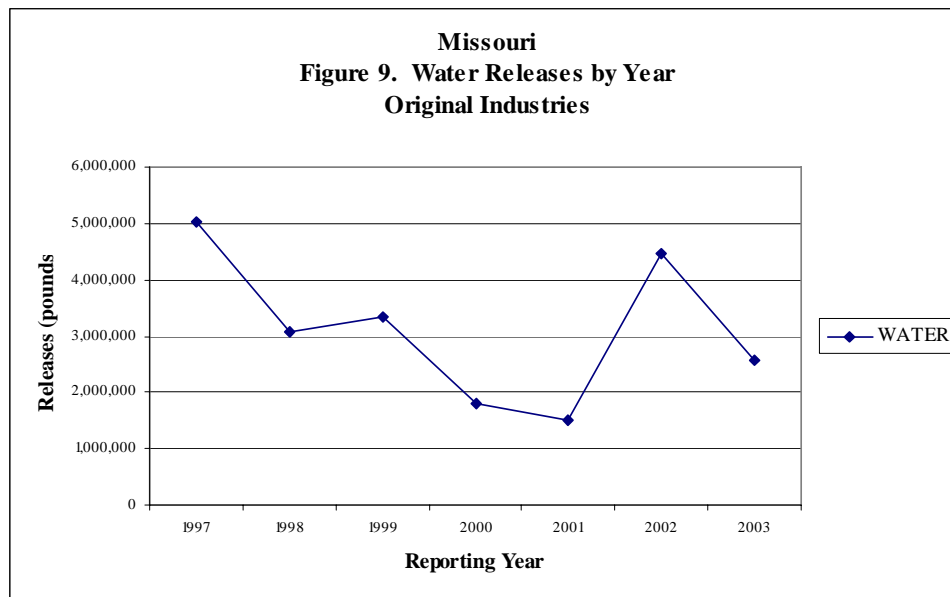
For more details or information about these trends over time contact the Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

**Missouri**  
**Figure 7. Total Releases by Year**  
**Original Industries**



**Missouri**  
**Figure 8. Total Releases by Year**  
**Original Industries**





### **New Industries**

Table 26 shows the data for the new industry releases by year. Because the new industries have been reporting since 1998, there are now six years of data available. Note in this table that POTW releases of metals are very small. They will not be included in the following graphs or figures.

A stacked bar graph of this data is shown in Figure 10. As can be seen, total releases remained about the same for the first three years but have shown a marked decrease since RY2000. There

has been a slight increase for RY2003. Air releases decreased by about 1.7 million pounds and land releases increased by 2.1 million pounds, see Table 26. Figure 10 also shows that the releases are almost entirely land and air releases with comparatively little water or off-site disposal. This is also confirmed by the data in Table 26.

Figure 11 shows a line graph that further illustrates that the new industry releases are almost entirely air and land releases. Because the land releases are so great, the scale in Figure 11 is so large that one

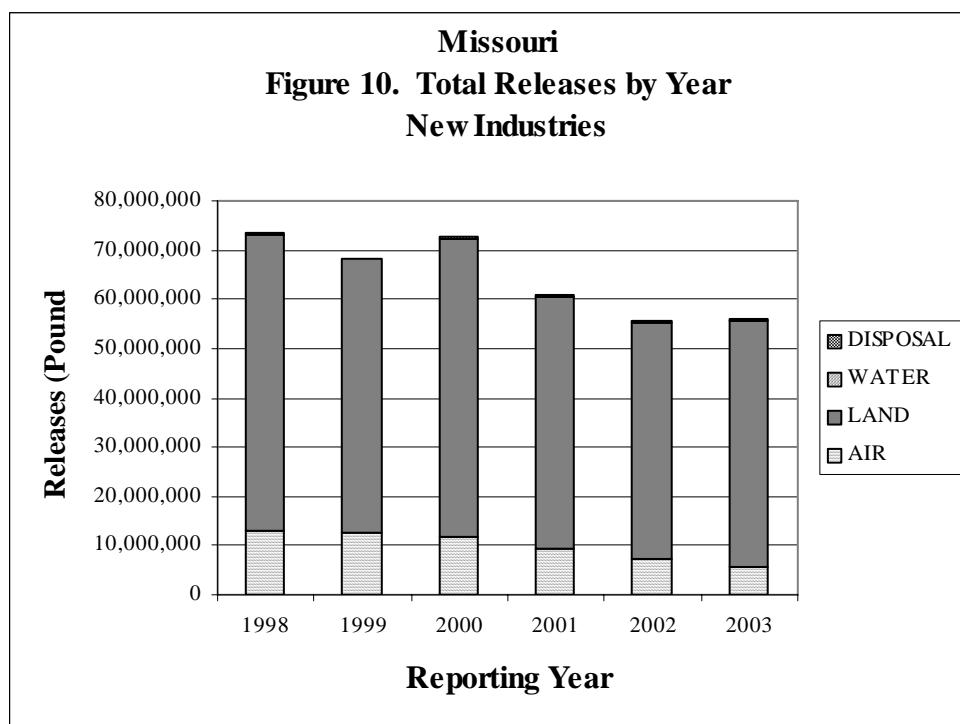
**Table 26**  
**Missouri**  
**New Industry Releases by Year**

(Units are in pounds.)

RY	AIR	LAND	WATER	POTW <sup>(1)</sup>	DISPOSAL	TOTAL
1998	13,051,529	60,126,561	159,888		6,708	73,344,686
1999	12,770,665	55,442,754	154,369	5	406	68,368,199
2000	11,774,909	60,501,275	152,879	10	111,194	72,540,267
2001	9,220,852	51,336,647	142,209	130	134,421	60,834,259
2002	7,507,068	47,803,103	38,359	21	139,465	55,488,016
2003	5,767,138	49,891,455	34,554	148	149,898	55,843,193

Source: Missouri TRI Database

(1) Releases of metals to POTWs, reported only since 1999.



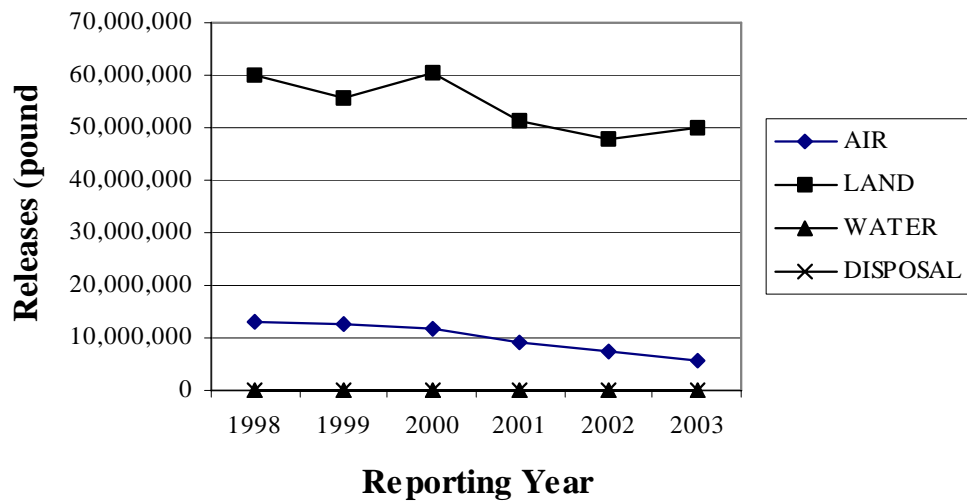
cannot discern if there were any increases or decreases in water or off-site disposal. These two media will be re-plotted and discussed later in this section.

The decrease in on-site land releases from RY2001 to RY2002, shown in Figures 10 and 11, was a decrease of approximately 3.5 million pounds or 6.9 percent. In the previous year there was a 9.2 million-pound decrease or 15.2 percent. For RY2003 there has been an increase of 2.1 million pounds or 4.4 percent. Review of the data showed that two metal mines and three electric utilities accounted for all of this increase. While two mines and one utility also showed large decreases, the increases simply out-weighted the decreases. As was mentioned previously, the metal mines and electric utilities make up 99.8 percent of all the releases by the new industry sector and therefore have the largest impact.

The other area where the new industries have shown significant changes is in air releases. As shown in Figure 11 the air releases for the new industry have shown a marked downward trend since RY1999. This decrease is shown more graphically in Figure 12. Each year they have shown between a 1 to 2 million-pound decrease (see Table 26). These decreases are essentially entirely due to the electric utilities. The metal mines have relatively low air releases at typically less than 50,000 total.

The other trends to be discussed are the water and off-site disposal releases. Because these releases are so small, relatively speaking, their values cannot be seen in Figure 11. The data for these two media are re-plotted in Figures 13 and 14, respectively.

**Missouri**  
**Figure 11. Releases by Media by Year**  
**New Industries**



**Missouri**  
**Figure 12. Air Releases by Year**  
**New Industries**

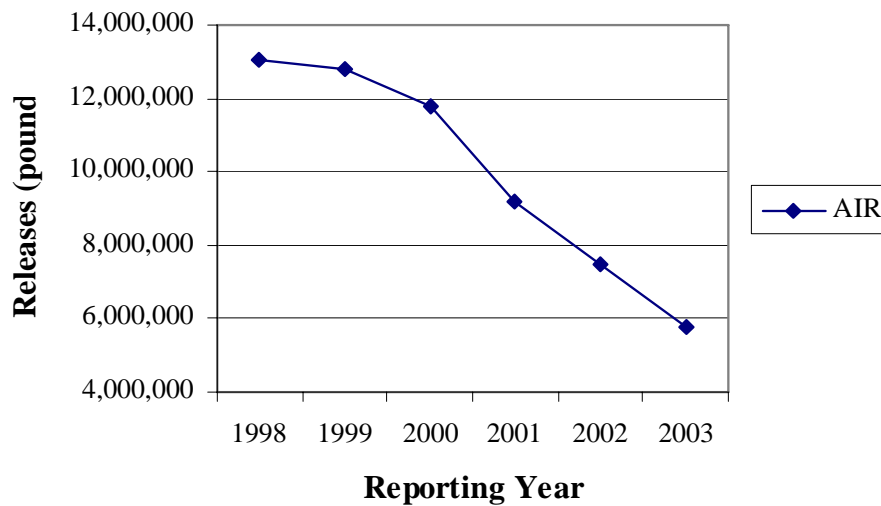




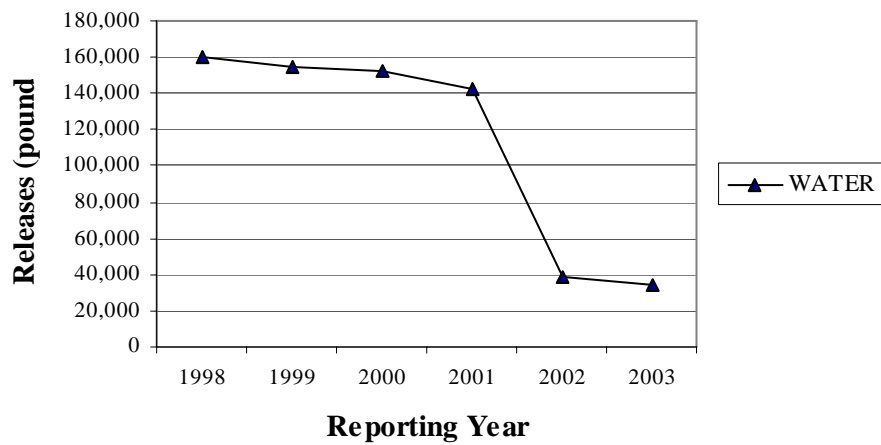
Figure 13 shows the water releases since 1998. As can be seen, there is a pronounced drop between RY2001 and RY2002. This drop equates to a change of 103,850 pounds (see Table 26). This decrease is a result of decreased water releases by the electric utilities. Their total decrease between these two years was 113,055 pounds. The metal mines showed a small increase of 9,205 pounds. The difference is the value shown above of 103,850 pounds. Further review of the data from the electric utilities showed that the majority of reduced water releases resulted from reduced releases of barium compounds. Almost all of the power plants showed significant decreases in barium compounds as well as smaller amounts of other metal compounds. Two of the largest decreases of barium compounds were by the Labadie plant, a reduction of 32,000 pounds, and the Rush Island plant in Festus, Mo., of 42,935 pounds. Both of these plants were able to essentially eliminate their releases of barium compounds, as were some of the others. This decreasing trend has continued for RY2003.

The data for the off-site disposal is re-plotted in Figure 14. As can be seen there has been an upward trend since RY1999, although the slope of the line has decreased. Between RY2002 and RY2003 there was an increase of 10,433 pounds, or 7.5 percent. Review of the data showed that this increase was due entirely to reported barium releases by EBV Explosives in Joplin, Mo., formerly known as ICI Explosives. RY2003 is the first year they reported for barium compounds and their reported off-site disposal was 17,039 pounds.

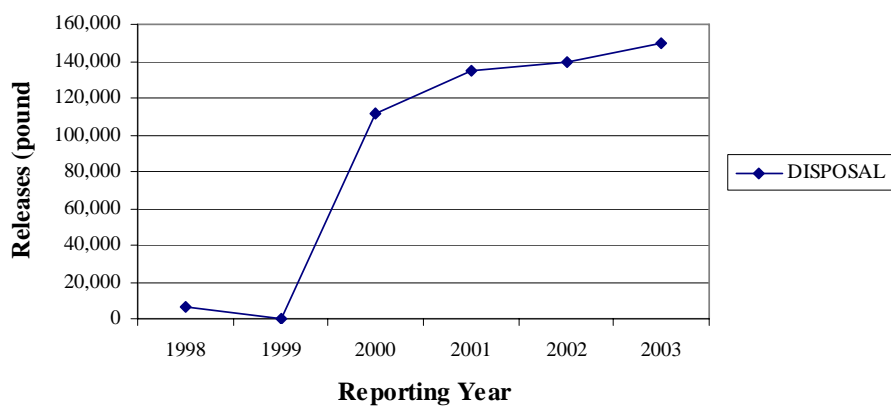
Although the increasing trend in off-site disposal is not desirable, it accounts for only 0.3 percent of the new industries' total releases and is not considered significant.

If more information is desired about yearly trends please contact the Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

**Missouri**  
**Figure 13. Water Releases by Year**  
**New Industries**



**Missouri**  
**Figure 14. Off-site Disposal by Year**  
**New Industries**



# Source Reduction in Missouri

In 1990, Congress passed the Pollution Prevention Act (PPA). This law established the national policy that the best way to manage pollution was to prevent or reduce the generation of the wastes that cause pollution. This is known as source reduction. Up until that time, most of the environmental laws dealt with managing wastes or pollution after it was created. The PPA focused on reducing the amount of pollution generated.

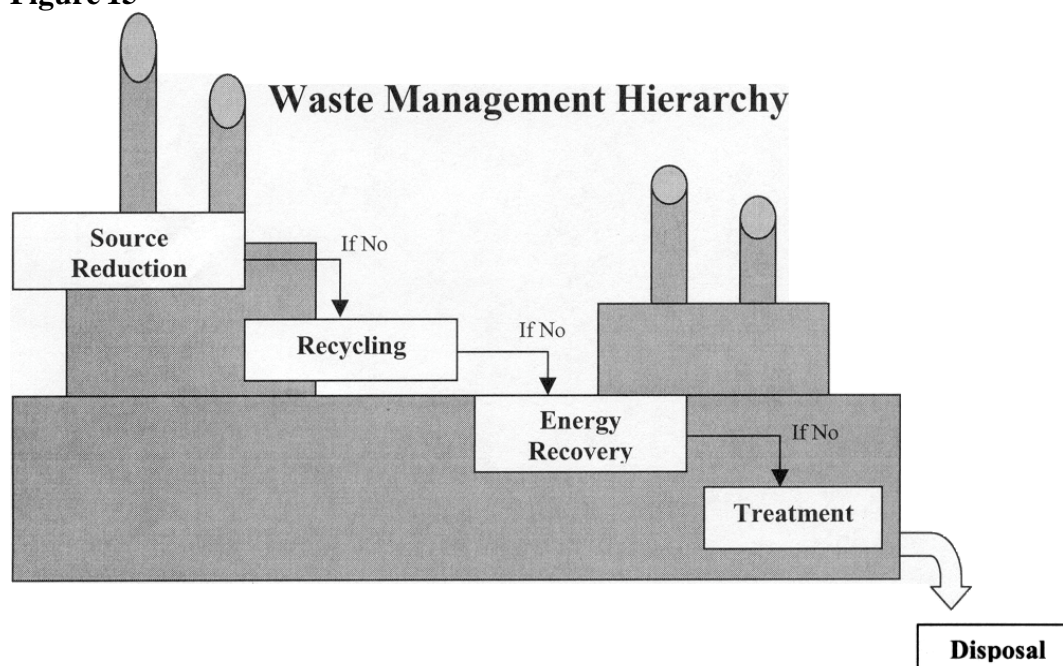
The PPA defines source reduction as any practice that:

- Reduces the amount of any hazardous substance, pollutant or contaminant entering any waste stream or otherwise released into the environment (including fugitive emissions) prior to recycling, treatment or disposal; and
- Reduces the hazards to public health and the environment associated with the release of such substances, pollutants or contaminants.

The PPA stated that, through source reduction, the risks to people and the environment could be reduced and financial and natural resources could be saved that would otherwise be spent on environmental clean-up or pollution control. Industrial processes could also be made more efficient. Source reduction practices were defined as including modifications in equipment, processes, procedures or technology; reformulation or redesign of products; substitution of raw materials; or improvements in maintenance and inventory controls. All of these practices affect the generation of wastes. Management practices, such as recycling, treatment or disposal, which deal with the wastes after they are generated are not considered source reduction.

Although source reduction is the preferred management method, the PPA recognized that recycling or reuse and treatment were viable options when source reduction was not feasible. Thus, the PPA established a hierarchy of waste

**Figure 15**



management options with source reduction first, recycling or reuse second and treatment third. Disposal, which is also considered a release to the environment, is viewed only as a last resort, to be employed only if the preferred methods cannot be used. However, disposal must still be in permitted landfills.

The PPA did not specifically address the combustion of wastes for energy recovery. However, because this option has beneficial aspects similar to recycling or treatment, the EPA chose to list this activity in the waste management hierarchy. Energy recovery is preferred over treatment. Figure 15 illustrates the waste management hierarchy used in the TRI.

### **On-site and Off-site Waste Management**

The PPA required that facilities report the quantities of wastes they manage both on- and off-site through recycling, energy recovery or treatment. This information is reported in Section 8 of the TRI Form R (see Appendix A). Although these methods of waste management are not source reduction, they are preferred over disposal or other releases to the environment.

### **Future Projections**

The PPA also required industries to report the quantities of wastes managed in the current reporting year and provide projections for releases and waste management for the two following years. The PPA required these projections to encourage facilities to consider their future waste generation, opportunities for source reduction and potential improvements in waste management options. However, future year estimates

are not commitments that facilities reporting to the TRI must meet.

### **Projection Data**

Table 27 provides a summary of the projections data for both the original industries and the new industries combined. The current year data corresponds to the RY2003 data, which is the focus of this report. The RY2002 projections for 2003 are presented as “Projected 2003.” These are the values that companies projected they would manage in RY2003. This data will help indicate how close the industry projections were to their actual values.

One of the first things to note in Table 27 is that there were significant increases in On-site Recycling and On-site Treatment. (See the first two columns in Table 27.) The large increase in on-site recycling was due to a single company, the Doe Run Co. Smelter in Glover, Mo. The increase in on-site treatment was due to multiple companies showing both increases and decreases. Although it is always better not to have increases in wastes that need management, these are both good waste management methods, preferred over disposal or releases to the environment. Most of the other waste management activities shown in the first two columns of Table 27 came in under their respective “projected” values. This, of course, is a positive outcome.

The key activity that decreased in Table 27 was the Total On- and Off-site Releases. As has been discussed in previous sections of this report, Total Releases decreased substantially compared to the RY2002 actual quantity. The fact that the projected releases were also greater than actual, gives confidence that future projections may also be equal

**Table 27**  
**Missouri**  
**Projections of Releases and Waste Management for RY2004 and RY2005**  
**(All Industries)**

Waste Management Activity	Projected 2003	Current Year 2003	Projected 2004	Projected 2005
Recycling On-site	259,439,215	348,340,763	167,283,222	168,594,118
Recycling Off-site	44,363,265	40,159,135	35,567,977	36,099,229
Energy Recovery On-site	86,524,449	80,750,802	85,732,293	85,815,493
Energy Recovery Off-site	12,452,045	11,610,460	11,587,903	12,920,514
Treatment On-site	48,461,860	62,409,591	63,005,702	67,084,028
Treatment Off-site	11,023,535	14,002,341	13,192,346	13,128,200
Total On- and Off-site Releases	114,425,460	102,528,549	93,787,700	92,826,363
Total Production Related Wastes	576,689,829	659,801,641	470,157,143	476,467,945

Source: Missouri TRI Database - 2003 data

(All units are in pounds.)

to or greater than actual. Thus looking at Table 27, the projected Total Releases for RY2004 and RY2005 are both significantly less than the Current RY2003 quantity, indicating that future releases to the environment will continue to decrease. This is a very positive outlook.

Note also in Table 27 that the Total Production Related Wastes are also projected to decrease markedly in RY2004 and RY2005. (See the last two columns in Table 27.) Examination of the table shows that these decreases are due to a large decrease in On-site Recycling. Review of the data shows that the on-site recycling decrease is again due to the Doe Run smelter in Glover, Mo. Contact with the smelter revealed that the plant has been shut down and is no longer operating. This shutdown accounts for approximately 187.0 million pounds, essentially accounting for the projected change.

Most of the other categories listed show only moderate increases or decreases.

### **Source Reduction Methods**

The PPA also required companies to begin reporting what types of methods or

source reduction activities they were using to achieve or implement source reduction. They report these activities using source reduction codes. The source reduction codes they are allowed to use are shown in Appendix E, entitled "Source Reduction Activity Codes." These codes cover various source reduction activities from good operating practices to product modifications.

Companies are allowed to report up to four source reduction codes for each chemical. Doing source reduction is not mandatory, nor is it always feasible. TRI reporting of source reduction activities is also voluntary, so not all companies report source reduction activities.

Furthermore, implementation of new source reduction generally gets more difficult with time. Covered facilities have been reporting source reduction activities since 1991. Over the years, fewer and fewer source reduction activities have been reported. This general trend is shown in Table 28 and graphically in Figure 16.

**Table 28**  
**Missouri**  
**Source Reduction by Year**

RY	No. Facilities Reporting SR	Total SR Codes Reported	Total Reports	Percent (SR/Reports)
1991	206	1181	2215	53.3%
1992	197	911	2083	43.7%
1993	201	828	2018	41.0%
1994	174	627	1873	33.5%
1995	140	469	1908	24.6%
1996	135	477	1843	25.9%
1997	108	484	1889	25.6%
1998	143	605	2242	27.0%
1999	112	522	2102	24.8%
2000	105	477	2255	21.2%
2001	102	524	2305	22.7%
2002	88	460	2300	20.0%
2003	66	397	2299	17.3%

Source: Missouri TRI Database

In RY2001, there had been a slight increase in source reduction activities but the numbers have continued to decrease again through RY2003. (See Table 28 and Figure 16.) For this reporting year, only 66 facilities reported 397 source reduction activities. This was a decrease of 63 source reduction codes or 13.7 percent less than that reported in RY2002.

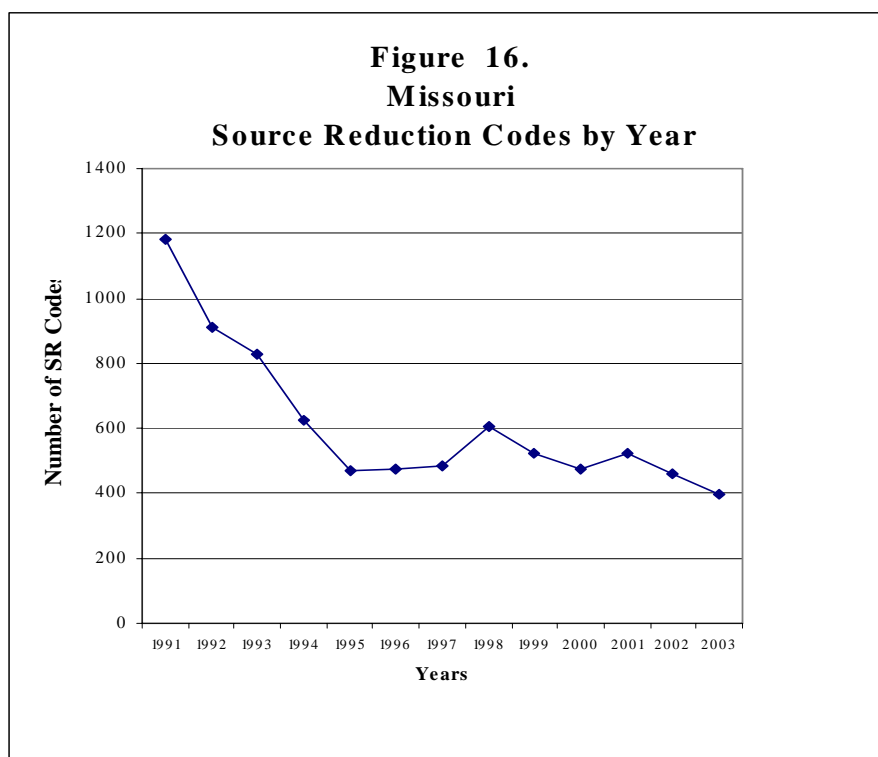
Table 29 shows a list of all of the source reduction codes reported for RY2003. The “SR” fields show the number of times a particular code was used as the first, second, third or fourth source reduction code. The total column, of course, sums these numbers. The source reduction codes are listed in descending order based on the “total” field. The code description gives an idea of what type of activity was used to reduce the source of pollution.

Three codes in Table 29 are, in a way, more significant than the others. These are W42, “Substituted Raw Materials,” W82, “Modified Design or Composition of Product,” and W49, “Other Raw Material Modifications.” Although all

of the activity codes are important, these three codes are significant because they involve eliminating or minimizing the use of toxic chemicals in the raw materials or in the final product. They, therefore, directly reduce the amount of toxic chemicals that can be released into the environment.

Table 30 shows the top 30 companies that reported source reduction activity in 2003. These companies are listed in descending order based on the “Total” column. The “SR” fields indicate the level of source reduction activity. Each count indicates a chemical for which some type of source reduction was reported.

One company, Continental Cement, stands out because of their large amount of source reduction activity (see Table 30.) Review of the data shows that they reported up to four source activity codes for 44 different chemicals. Many of the codes were the same for all 44 chemicals (see Appendix F). Continental is unique in that it accepts waste chemicals from other companies and then burns these wastes as fuel in their cement manufacturing process. The source reduction codes they reported were: W33, W36, W39 and W72. As can be seen in Table 29, these are primarily process modifications, which understandably, could affect all of the chemicals they manage. This same reasoning applies to many of the companies that report the same source reduction methods for multiple chemicals.



For a more detailed review of the source reduction codes reported by companies, see Appendix F. Appendix F, entitled “Source Reduction Activity By County By Company,” lists all of the companies that reported one or more source reduction code activities for RY2003. It also shows which codes were reported for which chemicals.

### **PBT Source Reduction**

For RY2003, 11 companies reported source reduction for PBT chemicals (see Table 31). This is significantly less than the 23 that reported in 2002 and the 28 that reported in 2001. Thus we are seeing a similar downward trend in source reduction activities as seen above.

Table 31 shows the list of companies and the chemicals for which they reported source reduction. It is significant that companies are reporting source reduction for PBT chemicals.

RY2000 was the first year PBT chemicals were required to be reported. This, in part, shows the positive impact that the TRI reporting requirements have had on reporting facilities. These companies are commended for their efforts. For the types of source reduction activities these facilities are reporting, refer to Table 29 or see Appendix E.

It is noteworthy that a few of the companies are showing W42 as their source reduction method. This code is “Substitute Raw Materials” which means they are trying to reduce their use of this chemical, which in Table 31 is for lead or lead compounds. This is a very positive trend.

**Table 29**  
**Missouri**  
**Reported Source Reduction Codes for RY2003**

CODE #	CODE DESCRIPTION	SR#1	SR#2	SR#3	SR#4	TOTAL
W72	MODIFIED SPRAY SYSTEMS OR EQUIPMENT	0	5	0	43	48
W36	IMPLEMENTED INSPECTION OR MONITORING PROGRAM OF POTENTIAL SPILL OR LEAK SOURCES	0	46	1	0	47
W39	OTHER SPILL OR LEAK PREVENTION	0	4	43	0	47
W13	IMPROVED MAINTENANCE SCHEDULING, RECORDKEEPING, OR PROCEDURES	47	0	0	0	47
W33	INSTALLED OVERFLOW ALARMS OR AUTOMATIC SHUTOFF VALVES	43	2	0	0	45
W42	SUBSTITUTED RAW MATERIALS	19	6	1	1	27
W19	OTHER CHANGES IN OPERATING PRACTICES	16	5	0	0	21
W52	MODIFIED EQUIPMENT, LAYOUT, OR PIPING	2	13	1	2	18
W14	CHANGED PRODUCTION SCHEDULE TO MINIMIZE EQUIPMENT AND FEEDSTOCK CHANGEOVERS	15	0	0	0	15
W32	IMPROVED PROCEDURES FOR LOADING, UNLOADING, AND TRANSFER OPERATIONS	6	2	2	0	10
W58	OTHER PROCESS MODIFICATIONS	4	1	5	0	10
W22	BEGAN TO TEST OUTDATED MATERIAL - CONTINUE TO USE IF STILL EFFECTIVE	4	3	0	0	7
W51	INSTITUTED RECIRCULATION WITHIN A PROCESS	0	5	1	0	6
W82	MODIFIED DESIGN OR COMPOSITION OF PRODUCT	3	2	1	0	6
W49	OTHER RAW MATERIAL MODIFICATIONS	5	1	0	0	6
W31	IMPROVED STORAGE OR STACKING PROCEDURES	1	4	0	0	5
W21	INSTITUTED PROCEDURES TO ENSURE THAT MATERIALS DO NOT STAY IN INVENTORY BEYOND	3	1	0	0	4
W73	SUBSTITUTED COATING MATERIALS USED	4	0	0	0	4
W81	CHANGED PRODUCT SPECIFICATIONS	3	0	0	0	3
W23	ELIMINATED SHELF-LIFE REQUIREMENTS FOR STABLE MATERIALS	3	0	0	0	3
W83	MODIFIED PACKAGING	0	0	0	2	2
W29	OTHER CHANGES IN INVENTORY CONTROL	0	1	1	0	2
W55	CHANGED FROM SMALL VOLUME CONTAINERS TO BULK CONTAINERS TO MINIMIZE DISCARDING	0	0	2	0	2
W35	INSTALLED VAPOR RECOVERY SYSTEMS	1	0	0	0	1
W24	INSTITUTED BETTER LABELING PROCEDURES	0	1	0	0	1
W75	CHANGED FROM SPRAY TO OTHER SYSTEM	1	0	0	0	1
W74	IMPROVED APPLICATION TECHNIQUES	0	0	1	0	1
W41	INCREASED PURITY OR RAW MATERIALS	1	0	0	0	1
W71	OTHER CLEANING AND DEGREASING MODIFICATIONS	0	0	1	0	1
W68	IMPROVED RINSE EQUIPMENT OPERATION	0	1	0	0	1
W61	CHANGED TO AQUEOUS CLEANERS (FROM SOLVENTS OR OTHER MATERIALS)	1	0	0	0	1
W89	OTHER PRODUCT MODIFICATIONS	1	0	0	0	1
W53	USE OF A DIFFERANT PROCESS CATALYST	0	1	0	0	1
W54	INSTITUTED BETTER CONTROLS ON OPERATING BULK CONTAINERS TO MINIMIZE DISCARDING	0	1	0	0	1
W78	OTHER SURFACE PREPARATION AND FINISHING MODIFICATIONS	0	0	0	1	1
Total =						397

Source: Missouri TRI Database - 2003 data



**Table 30**  
**Missouri**  
**Top 30 Facilities Reporting Source Reduction Activity in RY2003**

FACILITY NAME	CITY	COUNTY	CODE COUNTS				TOTAL
			SR 1	SR 2	SR 3	SR 4	
CONTINENTAL CEMENT CO., LLC	HANNIBAL	RALLS	44	44	43	43	174
THE DOE RUN CO. GLOVER SMELTER	GLOVER	IRON	10	10	1	0	21
EMERSON ELECTRIC CO.	KENNETT	DUNKLIN	10	3	2	1	16
OMNIUM	ST. JOSEPH	BUCHANAN	13	0	0	0	13
DYNO NOBEL, INC. - CARTHAGE PLANT	CARTHAGE	JASPER	5	4	1	0	10
SILGAN CONTAINERS MFG. CORP.	ST. JOSEPH	BUCHANAN	5	5	0	0	10
ADCO, INC.	SEDALIA	PETTIS	4	3	1	1	9
YORK CASKET	MARSHFIELD	WEBSTER	3	3	3	0	9
DOUGLAS PRODUCTS & PACKAGING CO.	LIBERTY	CLAY	2	2	2	2	8
DYNO NOBEL, INC.--LOMO PLANT	LOUISIANA	PIKE	3	3	1	0	7
PERMACEL ST. LOUIS, INC.	ST. LOUIS	ST. LOUIS CITY	4	1	1	0	6
CARLISLE POWER TRANSMISSION PRODUCTS, INC.	SPRINGFIELD	GREENE	3	2	1	0	6
MID STATE PAINT AND CHEMICAL CO.	ST. LOUIS	ST. LOUIS COUNTY	4	0	0	0	4
BUCKHORN RUBBER PRODUCTS, INC.	HANNIBAL	RALLS	3	1	0	0	4
ENERGIZER BATTERY MANUFACTURING, INC.	MARYVILLE	NODAWAY	2	2	0	0	4
ZOLTEK CORP.	ST. CHARLES	ST. CHARLES	2	2	0	0	4
HILLYARD IND., INC.	ST. JOSEPH	BUCHANAN	2	2	0	0	4
ABLE MANUFACTURING & ASSEMBLY, LLC	JOPLIN	JASPER	2	2	0	0	4
LITTLE TIKES COMMERCIAL PLAY SYSTEMS, INC.	FARMINGTON	ST. FRANCOIS	1	1	1	1	4
ENERSYS ENERGY PROD., INC. (formerly HAWKER ENERGY)	WARRENSBURG	JOHNSON	1	1	1	1	4
BODINE ALUMINUM, INC.	TROY	LINCOLN	3	0	0	0	3
TRUE MFG. CO., INC.	O'FALLON	ST. CHARLES	3	0	0	0	3
DIVERSIFIED DIEMAKERS (DBA INTERMET)	MONROE CITY	MONROE	2	1	0	0	3
BUCKMAN LABORATORIES, INC.	CADET	WASHINGTON	2	1	0	0	3
HAYES LEMMERZ INTERNATIONAL, INC.	SEDALIA	PETTIS	2	1	0	0	3
INDUSTRIAL POWDER COATINGS	ST. LOUIS	ST. LOUIS CITY	1	1	1	0	3
PERMACEL KANSAS CITY, INC.	KANSAS CITY	JACKSON	1	1	1	0	3
KRAFT FOODS GLOBAL, INC.	SPRINGFIELD	GREENE	2	0	0	0	2
PURE-FLO PRECISION	SPRINGFIELD	GREENE	2	0	0	0	2
SOUTHEAST WOOD	PLEASANT HILL	CASS	2	0	0	0	2

Source: Missouri TRI Database - 2003 data

**Table 31**  
**Missouri**  
**Facilities Reporting Source Reduction Activity for PBT Chemicals in RY2003**

FACILITY NAME	COUNTY	CHEMICAL	Source Reduction Codes			
			SR1	SR2	SR3	SR4
ENERSYS ENERGY PROD., INC. (formerly HAWKER ENERGY)	JOHNSON	LEAD COMPOUNDS	W13	W24	W36	W42
EMERSON ELECTRIC CO.	DUNKLIN	LEAD	W13			
POSITRONIC IND., INC.	LAWRENCE	LEAD	W13	W19		
THE DOE RUN CO. GLOVER SMELTER	IRON	LEAD COMPOUNDS	W13	W32	W52	
OMNIUM	BUCHANAN	TRIFLURALIN	W14			
MERAMEC GROUP	FRANKLIN	LEAD	W42			
SERICOL, INC.	CLAY	LEAD COMPOUNDS	W42			
MID STATE PAINT AND CHEMICAL CO.	ST. LOUIS COUNTY	LEAD COMPOUNDS	W42			
UNIVERSAL FOREST PRODUCTS, INC.	CASS	LEAD	W42			
DIVERSIFIED DIEMAKERS (DBA INTERMET)	MONROE	LEAD	W58			
CONTINENTAL CEMENT CO., LLC	RALLS	DIOXIN AND DIOXIN-LIKE COMPOUNDS	W58	W72		

Source: Missouri TRI Database - 2003 data

## **Summary**

Chemicals are a part of our lives. We use chemicals in our homes, in our cars and in our industries. Chemicals are used to make many of the products that we use and enjoy every day. The Toxics Release Inventory was mandated by Congress to help ensure that toxic chemicals are managed and used safely and responsibly by our manufacturing industries. The fact that companies have been required to report on how much toxic chemicals they are releasing into the environment has by itself prompted significant reductions in environmental releases over the years. These reductions have continued through the 2003-reporting year. For RY2003 companies reported releasing 10,698,590 fewer pounds than they did in RY2002. This was a 9.4 percent decrease. We did see a large increase in the total production related wastes managed, but this was primarily due to increased on-site recycling which is a positive waste management method. We have also seen decreased releases of some of the persistent, bioaccumulative and toxic (PBT) chemicals in this reporting year. This is also a very positive trend. However, as good as these results are, there are probably still many changes that can be made. It is hoped that, with the help of interested citizens, the reductions in the amounts of releases of all of the TRI chemicals will continue. The department hopes that the information presented in this report will benefit Missouri citizens by improving their awareness and promoting their involvement in environmental issues in their communities.

If you have questions, need further information, need help in addressing or understanding some of these issues, or have comments about this report, please contact the Department of Natural Resources' Environmental Assistance Office at 1-800-361-4827 or (573) 526-6627.

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# **APPENDIX A**

## **TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORMS**



### **FORM R and FORM A**

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**EPA**United States  
Environmental Protection  
Agency**FORM R****TOXIC CHEMICAL RELEASE  
INVENTORY REPORTING FORM**Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986,  
also known as Title III of the Superfund Amendments and Reauthorization Act**WHERE TO SEND COMPLETED FORMS:** 1. EPCRA Reporting Center  
P.O Box 3348  
Merrifield, VA 22116-3348  
ATTN: TOXIC CHEMICAL RELEASE INVENTORY  
2. APPROPRIATE STATE OFFICE  
(See instructions in Appendix F)Enter "X" here if this  
is a revision

For EPA use only

**Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.****PART I. FACILITY IDENTIFICATION INFORMATION****SECTION 1. REPORTING YEAR** \_\_\_\_\_**SECTION 2. TRADE SECRET INFORMATION**

**2.1** Are you claiming the toxic chemical identified on page 2 trade secret?  
☐ Yes (Answer question 2.2; Attach substantiation forms) ☐ No (Do not answer 2.2; Go to Section 3)

**2.2** Is this copy ☐ Sanitized ☐ Unsanitized  
 (Answer only if "YES" in 2.1)

**SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)**

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:

Signature:

Date Signed:

**SECTION 4. FACILITY IDENTIFICATION**

**4.1** TRI Facility ID Number \_\_\_\_\_

Facility or Establishment Name \_\_\_\_\_ Facility or Establishment Name or Mailing Address(if different from street address) \_\_\_\_\_

Street \_\_\_\_\_ Mailing Address \_\_\_\_\_

City/County/State/Zip Code \_\_\_\_\_ City/County/State/Zip Code \_\_\_\_\_

**4.2** This report contains information for:  
 (Important : check a or b; check c if applicable) a. ☐ An entire facility b. ☐ Part of a facility c. ☐ A Federal facility

**4.3** Technical Contact Name \_\_\_\_\_ Telephone Number (include area code) \_\_\_\_\_

**4.4** Public Contact Name \_\_\_\_\_ Telephone Number (include area code) \_\_\_\_\_

**4.5** SIC Code (s) (4 digits) a. \_\_\_\_\_ b. \_\_\_\_\_ c. \_\_\_\_\_ d. \_\_\_\_\_ e. \_\_\_\_\_ f. \_\_\_\_\_

**4.6** Latitude \_\_\_\_\_ Degrees \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds \_\_\_\_\_ Longitude \_\_\_\_\_ Degrees \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds \_\_\_\_\_

**4.7** Dun & Bradstreet Number(s) (9 digits) **4.8** EPA Identification Number (RCRA I.D. No.) (12 characters) **4.9** Facility NPDES Permit Number(s) (9 characters) **4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)

a. \_\_\_\_\_ b. \_\_\_\_\_ a. \_\_\_\_\_ b. \_\_\_\_\_ a. \_\_\_\_\_ b. \_\_\_\_\_ a. \_\_\_\_\_ b. \_\_\_\_\_

**SECTION 5. PARENT COMPANY INFORMATION**

**5.1** Name of Parent Company NA ☐

**5.2** Parent Company's Dun & Bradstreet Number NA ☐

# EPA FORM R

## PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number

Toxic Chemical, Category or Generic Name

**SECTION 1. TOXIC CHEMICAL IDENTITY**

(Important: DO NOT complete this section if you completed Section 2 below.)

<b>1.1</b>	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
<b>1.2</b>	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
<b>1.3</b>	Generic Chemical Name (Important: Complete <b>only</b> if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)

**SECTION 2. MIXTURE COMPONENT IDENTITY**

(Important: DO NOT complete this section if you completed Section 1 above.)

<b>2.1</b>	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
------------	--

**SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY**

(Important: Check all that apply.)

<b>3.1</b> Manufacture the toxic chemical: a. <input type="checkbox"/> Produce    b. <input type="checkbox"/> Import If produce or import: c. <input type="checkbox"/> For on-site use/processing d. <input type="checkbox"/> For sale/distribution e. <input type="checkbox"/> As a byproduct f. <input type="checkbox"/> As an impurity	<b>3.2</b> Process the toxic chemical: a. <input type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input type="checkbox"/> Repackaging	<b>3.3</b> Otherwise use the toxic chemical: a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use
---	---	--

**SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR**

<b>4.1</b>	<input style="width: 40px;" type="text"/> (Enter two-digit code from instruction package.)	
------------	--	--

**SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE**

		A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of Estimate (enter code)	C. % From Stormwater
<b>5.1</b>	Fugitive or non-point air emissions	NA <input type="checkbox"/>		
<b>5.2</b>	Stack or point air emissions	NA <input type="checkbox"/>		
<b>5.3</b>	Discharges to receiving streams or water bodies (enter one name per box)			
Stream or Water Body Name				
<b>5.3.1</b>				
<b>5.3.2</b>				
<b>5.3.3</b>				
<b>5.4.1</b>	Underground Injection onsite to Class I Wells	NA <input type="checkbox"/>		
<b>5.4.2</b>	Underground Injection onsite to Class II-V Wells	NA <input type="checkbox"/>		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box  and indicate the Part II, Section 5.3 page number in this box.  (example: 1,2,3, etc)



<b>EPA FORM R</b>  <b>PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)</b>	TRI Facility ID Number
	Toxic Chemical, Category, or Generic Name

**SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE(Continued)**

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
<b>5.5</b>	Disposal to land onsite			
<b>5.5.1A</b>	RCRA Subtitle C landfills	<input type="checkbox"/>		
<b>5.5.1B</b>	Other landfills	<input type="checkbox"/>		
<b>5.5.2</b>	Land treatment/application farming	<input type="checkbox"/>		
<b>5.5.3</b>	Surface Impoundment	<input type="checkbox"/>		
<b>5.5.4</b>	Other disposal	<input type="checkbox"/>		

**SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS**
**6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)**
**6.1.A Total Quantity Transferred to POTWs and Basis of Estimate**

<b>6.1.A.1. Total Transfers</b> (pounds/year) (enter range code* or estimate)	<b>6.1.A.2 Basis of Estimate</b> (enter code)

<b>6.1.B. ____</b>	POTW Name						
POTW Address							
City		State		County		Zip	

<b>6.1.B. ____</b>	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages

 in this box  and indicate the Part II, Section 6.1 page number in this box  (example: 1,2,3, etc.)

**SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS**

<b>6.2. ____</b> Off-Site EPA Identification Number (RCRA ID No.)	
Off-Site Location Name	
Off-Site Address	
City	
State	
County	
Zip	
Is location under control of reporting facility or parent company? <input style="width: 40px;" type="checkbox"/> Yes <input style="width: 40px;" type="checkbox"/> No	

## EPA FORM R

## PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

Toxic Chemical, Category or Generic Name

## SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

6.2. \_\_\_ Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City

State

County

Zip

Is location under control of reporting facility or parent company?

☐ Yes☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

## SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐

Not Applicable (NA) -

Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
<b>7A.1a</b>	<b>7A.1b</b>	<b>7A.1c</b>	<b>7A.1d</b>	<b>7A.1e</b>
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
			%	Yes No <input type="checkbox"/> <input type="checkbox"/>
<b>7A.2a</b>	<b>7A.2b</b>	<b>7A.2c</b>	<b>7A.2d</b>	<b>7A.2e</b>
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
			%	Yes No <input type="checkbox"/> <input type="checkbox"/>
<b>7A.3a</b>	<b>7A.3b</b>	<b>7A.3c</b>	<b>7A.3d</b>	<b>7A.3e</b>
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
			%	Yes No <input type="checkbox"/> <input type="checkbox"/>
<b>7A.4a</b>	<b>7A.4b</b>	<b>7A.4c</b>	<b>7A.4d</b>	<b>7A.4e</b>
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
			%	Yes No <input type="checkbox"/> <input type="checkbox"/>
<b>7A.5a</b>	<b>7A.5b</b>	<b>7A.5c</b>	<b>7A.5d</b>	<b>7A.5e</b>
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
			%	Yes No <input type="checkbox"/> <input type="checkbox"/>

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.2/7A page number in this box :

(example: 1,2,3, etc)

**EPA FORM R****PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)**

TRI Facility ID Number

Toxic Chemical, Category or Generic Name

**SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES**☐

Not Applicable (NA) -

Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1

2

3

4

**SECTION 7C. ON-SITE RECYCLING PROCESSES**☐

Not Applicable (NA) - Check here if no on-site recycling is applied to any waste

stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

**SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES**

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
<b>8.1</b>	Quantity released **				
<b>8.2</b>	Quantity used for energy recovery onsite				
<b>8.3</b>	Quantity used for energy recovery offsite				
<b>8.4</b>	Quantity recycled onsite				
<b>8.5</b>	Quantity recycled offsite				
<b>8.6</b>	Quantity treated onsite				
<b>8.7</b>	Quantity treated offsite				
<b>8.8</b>	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)				
<b>8.9</b>	Production ratio or activity index				
<b>8.10</b>	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.				
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)			
<b>8.10.1</b>		a.	b.	c.	
<b>8.10.2</b>		a.	b.	c.	
<b>8.10.3</b>		a.	b.	c.	
<b>8.10.4</b>		a.	b.	c.	
<b>8.11</b>	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)			YES <input type="checkbox"/>	NO <input type="checkbox"/>

\*\* Report releases pursuant to EPCRA Section 329(8) including \*any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

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**United States  
Environmental Protection Agency**

**TOXIC CHEMICAL RELEASE INVENTORY  
FORM A**

**WHERE TO SEND COMPLETED FORMS:** 1. EPCRA Reporting Center  
P.O Box 3348  
Merrifield, VA 22116-3348  
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE  
(See instructions in Appendix F)

Enter "X" here if this  
is a revision

For EPA use only

**Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.**

**PART I. FACILITY IDENTIFICATION INFORMATION**

**SECTION 1. REPORTING YEAR** \_\_\_\_\_

**SECTION 2. TRADE SECRET INFORMATION**

**2.1** Are you claiming the toxic chemical identified on page 2 trade secret?  
☐ Yes (Answer question 2.2;  
Attach substantiation forms) ☐ No (Do not answer 2.2;  
Go to Section 3)

**2.2** Is this copy ☐ Sanitized ☐ Unsanitized  
(Answer only if "YES" in 2.1)

**SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)**

I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the statement, the annual reportable amount as defined in 40 CFR 372.27 (a), did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year.

Name and official title of owner/operator or senior management official: \_\_\_\_\_ Signature: \_\_\_\_\_ Date Signed: \_\_\_\_\_

**SECTION 4. FACILITY IDENTIFICATION**

**4.1** TRI Facility ID Number \_\_\_\_\_

Facility or Establishment Name \_\_\_\_\_ Facility or Establishment Name or Mailing Address(if different from street address) \_\_\_\_\_

Street \_\_\_\_\_ Mailing Address \_\_\_\_\_

City/County/State/Zip Code \_\_\_\_\_ City/State/Zip Code \_\_\_\_\_ Country (Non-US) \_\_\_\_\_

**4.2** This report contains information for: (Important : check c or d if applicable)  
c. ☐ A Federal facility d. ☐ GOCO

**4.3** Technical Contact Name \_\_\_\_\_ Telephone Number (include area code) \_\_\_\_\_

**4.4** Intentionally left blank

**4.5** SIC Code (s) (4 digits) \_\_\_\_\_

Primary		b.	c.	d.	e.	f.
a.						

**4.6** Latitude \_\_\_\_\_ Degrees \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds \_\_\_\_\_ Longitude \_\_\_\_\_ Degrees \_\_\_\_\_ Minutes \_\_\_\_\_ Seconds \_\_\_\_\_

**4.7** Dun & Bradstreet Number(s) (9 digits) \_\_\_\_\_ **4.8** EPA Identification Number (RCRA I.D. No.) (12 characters) \_\_\_\_\_ **4.9** Facility NPDES Permit Number(s) (9 characters) \_\_\_\_\_ **4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits) \_\_\_\_\_

a. \_\_\_\_\_ a. \_\_\_\_\_ a. \_\_\_\_\_ a. \_\_\_\_\_  
b. \_\_\_\_\_ b. \_\_\_\_\_ b. \_\_\_\_\_ b. \_\_\_\_\_

**SECTION 5. PARENT COMPANY INFORMATION**

**5.1** Name of Parent Company \_\_\_\_\_ NA ☐

**5.2** Parent Company's Dun & Bradstreet Number \_\_\_\_\_ NA ☐

<b>EPA FORM A</b> <b>PART II. CHEMICAL IDENTIFICATION</b> Do not use this form for reporting PBT chemicals including Dioxin and Dioxin-like Compounds*		TRIFID:
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b>		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)	
<b>SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)</b>		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b>		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)	
<b>SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)</b>		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b>		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)	
<b>SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)</b>		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	
<b>SECTION 1. TOXIC CHEMICAL IDENTITY</b>		Report ____ of ____
1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)	
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)	
<b>SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)</b>		
2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)	

\* See the TRI Reporting Forms and Instructions Manual for the list of PBT Chemicals (including Dioxin and Dioxin-like Compounds)

## **APPENDIX B**

### **STANDARD INDUSTRIAL CLASSIFICATION CODES**

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## Appendix B

### STANDARD INDUSTRIAL CLASSIFICATION CODES

#### 10 Metal Mining (except 1011, 1081 and 1094)

- 1021 Copper Ores
- 1031 Lead and Zinc Ores
- 1041 Gold Ores
- 1044 Silver Ores
- 1061 Ferroalloy Ores, Except Vanadium
- 1099 Miscellaneous Metal Ores, Not Elsewhere Classified

#### 12 Coal Mining (except 1241)

- 1221 Bituminous Coal and Lignite Surface Mining
- 1222 Bituminous Coal Underground Mining
- 1231 Anthracite Mining

#### 20 Food and Kindred Products

- 2011 Meat packing plants
- 2013 Sausages and other prepared meat products
- 2015 Poultry slaughtering and processing
- 2021 Creamery butter
- 2022 Natural, processed and imitation cheese
- 2023 Dry, condensed and evaporated dairy products
- 2024 Ice cream and frozen desserts
- 2026 Fluid milk
- 2032 Canned specialties
- 2033 Canned fruits, vegetables, preserves, jams and jellies
- 2034 Dried and dehydrated fruits, vegetables and soup mixes
- 2035 Pickled fruits and vegetables, vegetable sauces and seasonings, and salad dressings
- 2037 Frozen fruits, fruit juices and vegetables
- 2038 Frozen specialties, n.e.c.\*
- 2041 Flour and other grain mill products
- 2043 Cereal breakfast foods
- 2044 Rice milling
- 2045 Prepared flour mixes and doughs
- 2046 Wet corn milling
- 2047 Dog and cat food
- 2048 Prepared feeds and feed ingredients for animals and fowls, except dogs and cats
- 2051 Bread and other bakery products, except cookies and crackers
- 2052 Cookies and crackers
- 2053 Frozen bakery products, except bread
- 2061 Cane sugar, except refining
- 2062 Cane sugar refining
- 2063 Beet sugar
- 2064 Candy and other confectionery products

- 2066 Chocolate and cocoa products
- 2067 Chewing gum
- 2068 Salted and roasted nuts and seeds
- 2074 Cottonseed oil mills
- 2075 Soybean oil mills
- 2076 Vegetable oil mills, n.e.c.\*
- 2077 Animal and marine fats and oils
- 2079 Shortening, table oils, margarine, other edible fats and oils, n.e.c.\*
- 2082 Malt beverages
- 2083 Malt
- 2084 Wines, brandy and brandy spirits
- 2085 Distilled and blended liquors
- 2086 Bottled and canned soft drinks and carbonated waters
- 2087 Flavoring extracts and flavoring syrups, n.e.c.\*
- 2091 Canned and cured fish and seafoods
- 2092 Prepared fresh or frozen fish and seafoods
- 2095 Roasted coffee
- 2096 Potato chips, corn chips and similar snacks
- 2097 Manufactured ice
- 2098 Macaroni, spaghetti, vermicelli and noodles
- 2099 Food preparations, n.e.c.\*

#### 21 Tobacco Products

- 2111 Cigarettes
- 2121 Cigars
- 2132 Chewing and smoking tobacco and snuff
- 2141 Tobacco stemming and redrying

#### 22 Textile Mill Products

- 2211 Broadwoven fabric mills, cotton
- 2221 Broadwoven fabric inills, manmade fiber and silk
- 2231 Broadwoven fabric mills, wool (including dyeing and finishing)
- 2241 Narrow fabric and other small wares mills: cotton, wool, silk and manmade fiber
- 2251 Women's full length and knee length hosiery, except socks
- 2252 Hosiery, n.e.c.\*
- 2253 Knit outerwear mills
- 2254 Knit underwear and nightwear mills
- 2257 Weft knit fabric mills
- 2258 Lace and warp knit fabric mills
- 2259 Knitting mills, n.e.c.\*
- 2261 Finishers of Broadwoven fabrics of cotton
- 2262 Finishers of Broadwoven fabrics of manmade fiber and silk
- 2269 Finishers of textiles, n.e.c.\*
- 2273 Carpets and rugs

- 2281 Yarn spinning nulls
- 2282 Yarn texturizing, throwing, twisting and winding mills
- 2284 Thread mills
- 2295 Coated fabrics, not rubberized
- 2296 Tire cord and fabrics
- 2297 Nonwoven fabrics
- 2298 Cordage and twine
- 2299 Textile goods, n.e.c.\*

## **23 Apparel and Other Finished Products made from Fabrics and Other Similar Materials**

- 2311 Men's and boys' suits, coats and overcoats
- 2321 Men's and boys' shirts, except work shirts
- 2322 Men's and boys' underwear and nightwear
- 2323 Men's and boys' neckwear
- 2325 Men's and boys' separate trousers and slacks
- 2326 Men's and boys' work clothing
- 2329 Men's and boys' clothing, n.e.c.\*
- 2331 Women's, misses' and juniors' blouses and shirts
- 2335 Women's, misses' and juniors' dresses
- 2337 Women's, misses' and juniors' suits, skirts and coats
- 2338 Women's, misses' and juniors', outerwear, n.e.c.\*
- 2341 Women's, misses', children's and infants' underwear and nightwear
- 2342 Brassieres, girdles and allied garments
- 2353 Hats, caps and millinery
- 2361 Girls', children's and infants' dresses, blouses and shirts
- 2369 Girls', children's and infants' outerwear, n.e.c.\*
- 2371 Furgoods
- 2381 Dress and work gloves, except knit and all leather
- 2384 Robes and dressing gowns
- 2385 Waterproof outerwear
- 2386 Leather and sheep lined clothing
- 2387 Apparel belts
- 2389 Apparel and accessories, n.e.c.\*
- 2391 Curtains and draperies
- 2392 House furnishings, except curtains and draperies
- 2393 Textile bags
- 2394 Canvas and related products
- 2395 Pleating, decorative and novelty stitching and tucking for the trade
- 2396 Automotive trimmings, apparel findings and related products
- 2397 Schiffli machine embroideries
- 2399 Fabricated textile products, n.e.c.\*

## **24 Lumber and Wood Products, Except Furniture**

- 2411 Logging
- 2421 Sawmills and planing mills, general
- 2426 Hardwood dimension and flooring mills
- 2429 Special product sawmills, n.e.c.\*
- 2431 Millwork
- 2434 Wood kitchen cabinets
- 2435 Hardwood veneer and plywood
- 2436 Softwood veneer and plywood
- 2439 Structural wood members, n.e.c.\*
- 2441 Nailed and lock corner wood boxes and shook
- 2448 Wood pallets and skids
- 2449 Wood containers, n.e.c.\*
- 2451 Mobile homes
- 2452 Prefabricated wood buildings and components
- 2491 Wood preserving
- 2493 Reconstituted wood products
- 2499 Wood products, n.e.c.\*

## **25 Furniture and Fixtures**

- 2511 Wood household furniture, except upholstered
- 2512 Wood household furniture, upholstered
- 2514 Metal household furniture
- 2515 Mattresses, foundations and convertible beds
- 2517 Wood television, radio, phonograph and sewing machine cabinets
- 2519 Household furniture, n.e.c.\*
- 2521 Wood office furniture
- 2522 Office furniture, except wood
- 2531 Public building and related furniture
- 2541 Wood office and store fixtures, partitions, shelving, and lockers
- 2542 Office and store fixtures, partitions, shelving and lockers, except wood
- 2591 Drapery hardware and window blinds and shades
- 2599 Furniture and fixtures, n.e.c.\*

## **26 Paper and Allied Products**

- 2611 Pulp mills
- 2621 Paper mills
- 2631 Paperboard mills
- 2652 Setup paperboard boxes
- 2653 Corrugated and solid fiber boxes
- 2655 Fiber cans, tubes, drums and similar products
- 2656 Sanitary food containers, except folding
- 2657 Folding paperboard boxes, including sanitary
- 2671 Packaging paper and plastics film, coated and laminated

- 2672 Coated and laminated paper, n.e.c.\*
- 2673 Plastics, foil and coated paper bags
- 2674 Uncoated paper and multi-wall bags
- 2675 Die-cut paper and paperboard and cardboard
- 2676 Sanitary paper products
- 2677 Envelopes
- 2678 Stationery tablets, and related products
- 2679 Converted paper and paperboard products, n.e.c.\*

## **27 Printing, Publishing and Allied Industries**

- 2711 Newspapers: publishing, or publishing and printing
- 2721 Periodicals: publishing, or publishing and printing
- 2731 Books: publishing, or publishing and printing
- 2732 Book printing
- 2741 Miscellaneous publishing
- 2752 Commercial printing, lithographic
- 2754 Commercial printing, gravure
- 2759 Commercial printing, n.e.c.\*
- 2761 Manifold business forms
- 2771 Greeting cards
- 2782 Blank books, looseleaf binders and devices
- 2789 Bookbinding and related work
- 2791 Typesetting
- 2796 Plate making and related services

## **28 Chemicals and Allied Products**

- 2812 Alkalies and chlorine
- 2813 Industrial gases
- 2816 Inorganic pigments
- 2819 Industrial inorganic chemicals, n.e.c.\*
- 2821 Plastics materials, synthetic resins and non-vulcanizable elastomers
- 2822 Synthetic rubber (vulcanizable elastomers)
- 2823 Cellulosic manmade fibers
- 2823 Manmade organic fibers, except cellulosic
- 2833 Medicinal chemicals and botanical products
- 2834 Pharmaceutical preparations
- 2834 In vitro and in vivo diagnostic substances
- 2836 Biological products, except diagnostic substances
- 2841 Soap and other detergents, except specialty cleaners
- 2842 Specialty cleaning, polishing and sanitation preparations
- 2843 Surface active agents, finishing agents, sulfonated oils and assistants
- 2844 Perfumes, cosmetics and other toilet preparations

- 2851 Paints, varnishes, lacquers, enamels and allied products
- 2861 Gum and wood chemicals
- 2865 Cyclic organic crudes and intermediates, and organic dyes and pigments
- 2869 Industrial organic chemicals, n.e.c.\*
- 2873 Nitrogenous fertilizers
- 2874 Phosphatic fertilizers
- 2875 Fertilizers, mixing only
- 2879 Pesticides and agricultural chemicals, n.e.c.\*
- 2891 Adhesives and sealants
- 2892 Explosives
- 2893 Printing ink
- 2895 Carbon black
- 2899 Chemicals and chemical preparations, n.e.c.\*

## **29 Petroleum Refining and Related Industries**

- 2911 Petroleum refining
- 2951 Asphalt paving mixtures and blocks
- 2952 Asphalt felts and coatings
- 2992 Lubricating oils and greases
- 2999 Products of petroleum and coal, n.e.c.\*

## **30 Rubber and Miscellaneous Plastics Products**

- 3011 Tires and inner tubes
- 3021 Rubber and plastic footwear
- 3052 Rubber and plastic hose and belting
- 3053 Gaskets, packing, and sealing devices
- 3061 Molded, extruded and lathe cut mechanical rubber products
- 3069 Fabricated rubber products, n.e.c.\*
- 3081 Unsupported plastic film and sheet
- 3082 Unsupported plastic profile shapes
- 3083 Laminated plastic plate, sheet and profile shapes
- 3084 Plastic pipe
- 3085 Plastic bottles
- 3086 Plastic foam products
- 3087 Custom compounding of purchased plastics resins
- 3088 Plastic plumbing fixtures
- 3089 Plastic products, n.e.c.\*

## **31 Leather and Leather Products**

- 3111 Leather tanning and finishing
- 3131 Boot and shoe cut stock and findings
- 3142 House slippers
- 3143 Men's footwear, except athletic

- 3144 Women's footwear, except athletic
- 3149 Footwear, except rubber, n.e.c.\*
- 3151 Leather gloves and mittens
- 3161 Luggage
- 3171 Women's handbags and purses
- 3172 Personal leather goods, except women's handbags and purses
- 3199 Leather goods, n.e.c.\*

## **32 Stone, Clay, Glass and Concrete Products**

- 3211 Flat glass
- 3221 Glass containers
- 3241 Cement, hydraulic
- 3251 Brick and structural clay tile
- 3253 Ceramic wall and floor tile
- 3255 Clay refractories
- 3259 Structural clay products, n.e.c.\*
- 3261 Vitreous china plumbing fixtures, and china and earthenware fittings,<sup>7</sup> and bathroom accessories
- 3262 Vitreous china table and kitchen articles
- 3263 Fine earthenware (whiteware) table and kitchen articles
- 3264 Porcelain electrical supplies
- 3269 Pottery products, n.e.c.\*
- 3271 Concrete block and brick
- 3272 Concrete products, except block and brick
- 3273 Ready mixed concrete
- 3274 Lime
- 3275 Gypsum products
- 3281 Cut stone and stone products
- 3291 Abrasive products
- 3292 Asbestos products
- 3295 Minerals and earths, ground or otherwise treated
- 3296 Mineral wool
- 3297 Nonclay refractories
- 3299 Nonmetallic mineral products, n.e.c.\*

## **33 Primary Metal Industries**

- 3312 Steel works, blast furnaces (including coke ovens) and rolling mill
- 3313 Electrometallurgical products, except steel
- 3315 Steel wire drawing and steel nails and spikes
- 3316 Cold-rolled steel sheet, strip and bars
- 3317 Steel pipe and tubes
- 3321 Gray and ductile iron foundries

- 3322 Malleable iron foundries
- 3324 Steel investment foundries
- 3325 Steel foundries, n.e.c.\*
- 3331 Primary smelting and refining of copper
- 3334 Primary production of aluminum
- 3339 Primary smelting and refining of nonferrous metals, except copper and aluminum
- 3341 Secondary smelting and refining of nonferrous metals
- 3351 Rolling, drawing and extruding of copper
- 3353 Aluminum sheet, plate and foil
- 3354 Aluminum extruded products
- 3355 Aluminum rolling and drawing, n.e.c.\*
- 3356 Rolling, drawing and extruding of nonferrous metals, except copper and aluminum
- 3357 Drawing and insulating of nonferrous wire
- 3363 Aluminum die-castings
- 3364 Nonferrous die-castings, except aluminum
- 3365 Aluminum foundries
- 3366 Copper foundries
- 3369 Nonferrous foundries, except aluminum and copper
- 3398 Metal heat treating
- 3399 Primary metal products, n.e.c.\*

## **32 Fabricated Metal Products, except Machinery and Transportation Equipment**

- 3411 Metal cans
- 3412 Metal shipping barrels, drums, kegs and pails
- 3421 Cutlery
- 3423 Hand and edge tools, except machine tools and handsaws
- 3425 Handsaws and saw blades
- 3429 Hardware, n.e.c.\*
- 3431 Enameled iron and metal sanitary ware
- 3432 Plumbing fixture fittings and trim
- 3433 Heating equipment, except electric and warm air furnaces
- 3441 Fabricated structural metal
- 3442 Metal doors, sash, frames, molding and trim
- 3443 Fabricated plate work (boiler shops)
- 3444 Sheet metal work
- 3446 Architectural and ornamental metal work
- 3448 Prefabricated metal buildings and components
- 3449 Miscellaneous structural metal work
- 3451 Screw machine products
- 3452 Bolts, nuts, screws, rivets and washers
- 3462 Iron and steel forgings
- 3463 Nonferrous forgings
- 3465 Automotive stampings
- 3468 Crowns and closures
- 3469 Metal stampings, n.e.c.\*
- 3471 Electroplating, plating, polishing, anodizing and coloring

- 3479 Coating, engraving and allied services, n.e.c.\*
- 3482 Small arms ammunition
- 3483 Ammunition, except for small arms
- 3484 Small arms
- 3489 Ordnance and accessories, n.e.c.\*
- 3491 Industrial valves
- 3492 Fluid power valves and hose fittings
- 3493 Steel springs, except wire
- 3494 Valves and pipe fittings, n.e.c.\*
- 3495 Wire springs
- 3496 Miscellaneous fabricated wire products
- 3497 Metal foil and leaf
- 3498 Fabricated pipe and pipe fittings
- 3499 Fabricated metal products, n.e.c.\*

## **35 Industrial and Commercial Machinery and Computer Equipment**

- 3511 Steam, gas and hydraulic turbines, and turbine generator set units
- 3519 Internal combustion engines, n.e.c.\*
- 3523 Farm machinery and equipment
- 3524 Lawn and garden tractors, and home lawn and garden equipment
- 3531 Construction machinery and equipment
- 3532 Mining machinery and equipment, except oil and gas field machinery and equipment
- 3533 Oil and gas field machinery and equipment
- 3534 Elevators and moving stairways
- 3535 Conveyors and conveying equipment
- 3536 Overhead traveling cranes, hoists and monorail systems
- 3537 Industrial trucks, tractors, trailers and stackers
- 3541 Machine tools, metal cutting types
- 3542 Machine tools, metal forming types
- 3543 Industrial patterns
- 3544 Special dies and tools, die sets, jigs and fixtures, and industrial molds
- 3545 Cutting tools, machine tool accessories and machinists' measuring devices
- 3546 Power driven handtools
- 3547 Rolling mill machinery and equipment
- 3548 Electric and gas welding and soldering equipment
- 3549 Metalworking machinery, n.e.c.\*
- 3552 Textile machinery
- 3553 Woodworking machinery
- 3554 Paper industries machinery
- 3555 Printing trades machinery and equipment
- 3556 Food products machinery
- 3559 Special industry machinery, n.e.c.\*
- 3561 Pumps and pumping equipment
- 3562 Ball and roller bearings

- 3563 Air and gas compressors
- 3564 Industrial and commercial fans and blowers and air purification equipment
- 3565 Packaging equipment
- 3566 Speed changers, industrial high speed drives and gears
- 3567 Industrial process furnaces and ovens
- 3568 Mechanical power transmission equipment, n.e.c.\*
- 3569 General industrial machinery and equipment, n.e.c.\*
- 3571 Electronic computers
- 3572 Computer storage devices
- 3575 Computer terminals
- 3577 Computer peripheral equipment, n.e.c.\*
- 3578 Calculating and accounting machines, except electronic computers
- 3579 Office machines, n.e.c.\*
- 3581 Automatic vending machines
- 3582 Commercial laundry, dry-cleaning and pressing machines
- 3585 Air conditioning and warm air heating equipment, and commercial and industrial refrigeration equipment
- 3586 Measuring and dispensing pumps
- 3589 Service industry machinery, n.e.c.\*
- 3592 Carburetors, pistons, piston rings and valves
- 3593 Fluid power cylinders and actuators
- 3594 Fluid power pumps and motors
- 3596 Scales and balances, except laboratory
- 3599 Industrial and commercial machinery and equipment, n.e.c.\*

## **36 Electronic and Other Electrical Equipment and Components, except Computer Equipment**

- 3612 Power, distribution and specialty transformers
- 3613 Switchgear and switchboard apparatus
- 3621 Motors and generators
- 3624 Carbon and graphite products
- 3625 Relays and industrial controls
- 3629 Electrical industrial appliances, n.e.c.\*
- 3631 Household cooking equipment
- 3632 Household refrigerators and home and farm freezers
- 3633 Household laundry equipment
- 3634 Electrical housewares and fans
- 3635 Household vacuum cleaners
- 3639 Household appliances, n.e.c.\*
- 3641 Electric lampbulbs and tubes
- 3643 Current carrying wiring devices
- 3644 Noncurrent carrying wiring devices
- 3645 Residential electric lighting fixtures

- 3646 Commercial, industrial and institutional electric lighting fixtures
- 3647 Vehicular lighting equipment
- 3648 Lighting equipment, n.e.c.\*
- 3651 Household audio and video equipment
- 3652 Phonograph records and pre-recorded audio tapes and disks
- 3661 Telephone and telegraph apparatus
- 3663 Radio and television broadcasting and communications equipment
- 3669 Communications equipment, n.e.c.\*
- 3671 Electron tubes
- 3672 Printed circuit boards
- 3674 Semiconductors and related devices
- 3675 Electronic capacitors
- 3676 Electronic resistors
- 3677 Electronic coils, transformers and other inductors
- 3678 Electronic connectors
- 3679 Electronic components, n.e.c.\*
- 3691 Storage batteries
- 3692 Primary batteries, dry and wet
- 3694 Electric equipment for internal combustion engines
- 3695 Magnetic and optical recording media
- 3699 Electrical machinery, equipment and supplies, n.e.c.\*

## **37 Transportation Equipment**

- 3711 Motor vehicles and passenger car bodies
- 3713 Truck and bus bodies
- 3714 Motor vehicle parts and accessories
- 3715 Truck trailers
- 3716 Motor homes
- 3721 Aircraft
- 3724 Aircraft engines and engine parts
- 3728 Aircraft parts and auxiliary equipment, n.e.c.\*
- 3731 Ship building and repairing
- 3732 Boat building and repairing
- 3743 Railroad equipment
- 3751 Motorcycles, bicycles and parts
- 3761 Guided missiles and space vehicles
- 3764 Guided missile and space vehicle propulsion units, and propulsion unit parts
- 3769 Guided missile and space vehicle parts, and auxiliary equipment, n.e.c.\*
- 3792 Travel trailers and campers
- 3795 Tanks and tank components
- 3799 Transportation equipment, n.e.c.\*

## **38 Measuring, Analyzing and Controlling Instruments; Photographic, Medical and Optical Goods; Watches and Clocks**

- 3812 Search, detection, navigation, guidance, aeronautical and nautical systems and instruments
- 3821 Laboratory apparatus and furniture
- 3822 Automatic controls for regulating residential and commercial environments and appliances
- 3823 Industrial instruments for measurement, display and control of process variables; and related products
- 3824 Totalizing fluid meters and counting devices
- 3825 Instruments for measuring and testing of electricity and electrical signals
- 3826 Laboratory analytical instruments
- 3827 Optical instruments and lenses
- 3829 Measuring and controlling devices, n.e.c.\*
- 3841 Surgical and medical instruments and apparatus
- 3842 Orthopedic, prosthetic and surgical appliances and supplies
- 3843 Dental equipment and supplies
- 3844 X-ray apparatus and tubes, and related irradiation apparatus
- 3845 Electromedical and electrotherapeutic apparatus
- 3851 Ophthalmic goods
- 3861 Photographic equipment and supplies
- 3873 Watches, clocks, clockwork operated devices and parts

## **39 Miscellaneous Manufacturing Industries**

- 3911 Jewelry, precious metal
- 3914 Silverware, plated ware and stainless steel ware
- 3915 Jewelers' findings and materials, and lapidary work
- 3931 Musical instruments
- 3942 Dolls and stuffed toys
- 3944 Games, toys and children's vehicles; except dolls and bicycles
- 3949 Sporting and athletic goods, n.e.c.\*
- 3951 Pens, mechanical pencils and parts
- 3952 Lead pencils, crayons and artists' materials
- 3953 Marking devices
- 3955 Carbon paper and inked ribbons
- 3961 Costume jewelry and costume novelties, except precious metal
- 3965 Fasteners, buttons, needles and pins

- 3991 Brooms and brushes
- 3993 Signs and advertising specialties
- 3995 Burial caskets
- 3996 Linoleum, asphalted-felt-base and other hard surface floor coverings, n.e.c.\*
- 3999 Manufacturing industries, n.e.c.\*

## **49 Electric, Gas and Sanitary Services (limited to 4911, 4931, 4939 and 4953)**

- 4911 Electric Services (limited to facilities that combust coal or oil for the purpose of generating electricity for distribution in commerce)
- 4931 Electric and Other Services Combined (limited to facilities that combust coal or oil for the purpose of generating electricity for distribution in commerce)

- 4939 Combination utilities, Not Elsewhere Classified (limited to facilities that combust coal or oil for the purpose of generating electricity for distribution in commerce)
- 4953 Refuse Systems (limited to facilities regulated under the RCRA Subtitle C, 42 U.S.C. section 6921 *et seq.*)

## **51 Wholesale Trade-Nondurable Goods (limited to 5169 and 5171)**

- 5169 Chemical and Allied Products, Not Elsewhere Classified
- 5171 Petroleum Terminals and Bulk Stations

## **73 Business Services (limited to 7389)**

- 7389 Business Services, Not Elsewhere Classified (limited to facilities primarily engaged in solvents recovery services on a contract or fee basis)

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## **APPENDIX C**

### **2003 TRI RELEASES and WASTE MANAGEMENT by COUNTY by COMPANY**

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## Appendix C - 2003 TRI Releases/Waste Management by County by Company

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
AUDRAIN											
	ADM SOYBEAN PROCESSING PLANT						MEXICO				
	N-HEXANE			111,666.0	0.0	0.0	0.0	0.0	0.0	0.0	337.0
	CERRO COPPER CASTING CO.						MEXICO				
	COPPER COMPOUNDS			2,800.0	0.0	2.0	0.0	10.0	0.0	0.0	0.0
	LEAD COMPOUNDS			38.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HARBISON WALKER REFRACTORIES						VANDALIA				
	CHROMIUM COMPOUNDS			96.0	0.0	0.0	0.0	16,416.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.3	0.0	0.0	0.0	172.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0	0.0	117.7	0.0	0.0	0.0
	NEXANS MAGNET WIRE USA, INC.						MEXICO				
	1,2,4-TRIMETHYLBENZENE			3,406.0	0.0	0.0	0.0	0.0	0.0	150,500.0	0.0
	CRESOL (MIXED ISOMERS)			10,843.0	0.0	0.0	0.0	0.0	0.0	529,800.0	0.0
	ETHYLBENZENE			1,152.0	0.0	0.0	0.0	0.0	0.0	60,500.0	0.0
	M-CRESOL			5,475.0	0.0	0.0	0.0	0.0	0.0	263,473.0	0.0
	P-CRESOL			4,279.0	0.0	0.0	0.0	0.0	0.0	217,395.0	0.0
	PHENOL			13,177.0	0.0	0.0	0.0	0.0	0.0	589,900.0	0.0
	XYLENE (MIXED ISOMERS)			5,435.0	0.0	0.0	0.0	0.0	0.0	262,898.0	0.0
	TEVA PHARMACEUTICALS USA						MEXICO				
	AMMONIA			106,265.0	0.0	0.0	0.0	8,931.0	0.0	0.0	29,578.0
	DICHLOROMETHANE			1,575.0	0.0	0.0	0.0	0.0	4,032,720.0	0.0	1,165,597.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			71,632.0	0.0	0.0	0.0	0.0	5,318,693.0	2,258,450.0	1,202,857.0
	PERACETIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			94,381.0	0.0	0.0	0.0	0.0	8,890,478.0	0.0	240,879.0
	TRIETHYLAMINE			484.0	0.0	0.0	0.0	0.0	0.0	0.0	348,091.0
	TRUE MFG. CO., INC.						MEXICO				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CHLORODIFLUOROMETHANE	16,086.0	0.0	0.0	0.0	750.0	0.0	0.0	0.0
			DIISOCYANATES	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>BARRY</b>											
			<b>DAIRY FARMERS OF AMERICA, INC.</b>					<b>MONETT</b>			
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98,829.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100,406.0
			<b>EFCO CORP.</b>					<b>MONETT</b>			
			CERTAIN GLYCOL ETHERS	130,361.0	0.0	0.0	0.0	0.0	41,822.0	149,848.0	0.0
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	9.0	11,217.0	144,274.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	3.0	1,092.0	28,407.0	0.0	0.0
			DIISOCYANATES	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIMETHYL PHTHALATE	29,635.0	0.0	0.0	0.0	0.0	9,505.0	34,066.0	0.0
			ETHYLBENZENE	16,664.0	0.0	0.0	0.0	0.0	5,342.0	19,155.0	0.0
			LEAD	0.0	0.0	0.0	5.0	0.0	2,462.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	15,398.0	0.0	0.0
			METHYL ETHYL KETONE	22,333.0	0.0	0.0	0.0	0.0	7,167.0	25,672.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29,536.0
			TOLUENE	48,643.0	0.0	0.0	0.0	0.0	8,185.0	29,334.0	0.0
			XYLENE (MIXED ISOMERS)	102,606.0	0.0	0.0	0.0	0.0	28,637.0	89,259.0	0.0
			<b>FASCO IND.</b>					<b>CASSVILLE</b>			
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	5.0	250.0	0.0	0.0	0.0
			COBALT	0.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0
			LEAD	0.0	7.8	0.0	0.1	7.9	0.0	0.0	0.0
			NICKEL	250.0	250.0	0.0	5.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	7,110.0	0.0	0.0	0.0	0.0	0.0	8,400.0	0.0
			<b>GEORGE'S PROCESSING, INC.</b>					<b>BUTTERFIELD</b>			
			AMMONIA	250.0	7,969.0	0.0	0.0	0.0	0.0	0.0	71,720.0
			NITRATE COMPOUNDS	0.0	769.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>HYDRO ALUMINUM NORTH AMERICA</b>					<b>MONETT</b>			
			1,2,4-TRIMETHYLBENZENE	36,465.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ALUMINUM (FUME OR DUST)	0.0	0.0	0.0	0.0	0.0	235,000.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CERTAIN GLYCOL ETHERS	42,556.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIISOCYANATES	5.0	0.0	0.0	0.0	0.0	0.0	0.0	162,630.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	275.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	36,430.0	0.0	0.0	0.0	0.0	0.0	188,480.0	0.0
			<b>INTERNATIONAL DEHYDRATED FOODS, INC.</b>				<b>MONETT</b>				
			AMMONIA	16,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>JUSTIN BOOT CO.</b>				<b>CASSVILLE</b>				
			TOLUENE	15,169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>MONETT METALS, INC.</b>				<b>MONETT</b>				
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>TYSON FOODS, INC.</b>				<b>MONETT</b>				
			CHLORINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>WILLOW BROOK FOODS</b>				<b>PURDY</b>				
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>BARTON</b>								
			<b>O'SULLIVAN IND., INC.</b>				<b>LAMAR</b>				
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>BOONE</b>								
			<b>3M CO. - COLUMBIA</b>				<b>COLUMBIA</b>				
			COPPER COMPOUNDS	0.0	0.0	0.0	350.0	250.0	240,000.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	7.7	5.6	593.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	23,000.0	188.0	12.0	0.0	0.0
			<b>A.B. CHANCE - EAST PLASTICS</b>				<b>CENTRALIA</b>				
			COPPER	165.0	0.0	0.0	2.0	0.0	238,412.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	176.0	84.0	0.0	0.0
			<b>A.B. CHANCE CO.</b>				<b>CENTRALIA</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CHROMIUM	0.0	0.0	0.0	0.0	54.0	5,381.0	0.0	0.0
			COPPER	0.0	0.0	0.0	11.0	836.0	22,747.0	0.0	0.0
			LEAD	64.0	0.0	0.0	0.0	2.0	102,822.0	0.0	0.0
			MANGANESE	99.0	0.0	0.0	0.0	1,307.0	3,956.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	6,330.0	0.0	0.0
			PROPYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	1,107.0	0.0	0.0	0.0	1,211.0	18,654.0	0.0	0.0
	<b>AAF INTERNATIONAL</b>						<b>COLUMBIA</b>				
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	35,458.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>APAC</b>						<b>LINN CREEK</b>				
			POLYCYCLIC AROMATIC COMPOUNDS	194.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>COLLINS &amp; AIKMAN</b>						<b>COLUMBIA</b>				
			DIISOCYANATES	5.0	0.0	0.0	0.0	0.0	9,491.0	0.0	0.0
	<b>COLUMBIA MUNICIPAL POWER PLANT</b>						<b>COLUMBIA</b>				
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	81,806.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	3.5	407.5	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	2.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	480,190.5	654.2	0.0	0.0	0.0	0.0	0.0	0.0
	<b>GATES CORP.</b>						<b>COLUMBIA</b>				
			DIISOCYANATES	0.0	0.0	0.0	0.0	107.0	0.0	12,234.0	43.0
			ETHYLBENZENE	160.0	0.0	0.0	0.0	11.0	0.0	15,844.0	1,486.0
			TOLUENE	4,579.0	0.0	0.0	0.0	0.0	0.0	525,498.0	43.0
			XYLENE (MIXED ISOMERS)	553.0	0.0	0.0	0.0	37.0	0.0	54,571.0	6,192.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	6,084.0	0.0	0.0	0.0
	<b>SAFETY-KLEEN SYSTEMS (504201)</b>						<b>COLUMBIA</b>				
			ETHYLENE GLYCOL	2.0	0.0	0.0	0.0	0.0	63,362.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	604.0	0.0	0.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	1,562.0	0.0	0.0
	<b>SQUARE D CO.</b>						<b>COLUMBIA</b>				
			CHROMIUM	0.0	0.0	0.0	1.6	0.0	238,923.0	0.0	0.0
			COPPER	0.0	0.0	0.0	3.5	0.0	578,168.9	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			MANGANESE	0.0	0.0	0.0	0.0	0.0	14,370.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	7.9	0.0	133,180.6	0.0	0.0
<b>BUCHANAN</b>											
	<b>AG PROCESSING, INC.</b>						<b>ST. JOSEPH</b>				
			N-HEXANE	286,450.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
			NICKEL	0.0	0.0	0.0	130.0	0.0	56,000.0	0.0	0.0
	<b>ALBAUGH, INC.</b>						<b>ST. JOSEPH</b>				
			1,2,4-TRIMETHYLBENZENE	4.0	0.0	0.0	0.0	0.0	0.0	0.0	3,166.0
			2,4-D	37.0	0.0	5.0	0.0	449.0	0.0	0.0	361.0
			2,4-D 2-ETHYLHEXYL ESTER	383.0	0.0	0.0	0.0	0.0	0.0	0.0	1,086.0
			2,4-D BUTOXYETHYL ESTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			2,4-DB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ARSENIC COMPOUNDS	22.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
			ATRAZINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.0
			BROMOXYNIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CUMENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DICAMBA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIMETHYLAMINE	2,534.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIMETHYLAMINE DICAMBA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHOXONE	4.0	0.0	0.0	0.0	61.0	0.0	0.0	48.0
			N-BUTYL ALCOHOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TRIFLURALIN	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2,927.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ALTEC IND. INC.</b>						<b>ST. JOSEPH</b>				
			STYRENE	8,700.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>BOEHRINGER INGELHEIM VETMEDICA, INC.</b>						<b>ST. JOSEPH</b>				
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>HILLYARD IND., INC.</b>						<b>ST. JOSEPH</b>				
	CERTAIN GLYCOL ETHERS			810.0	0.0	0.0	0.0	0.0	0.0	0.0	3,673.0
	ETHYLENE GLYCOL			53.0	0.0	0.0	0.0	0.0	0.0	0.0	263.0
	<b>HPI PRODUCTS, INC.</b>						<b>ST. JOSEPH</b>				
	1,2,4-TRIMETHYLBENZENE			1,991.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ACEPHATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CARBARYL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIAZINON			683.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIETHANOLAMINE			5,181.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NAPHTHALENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	PERMETHRIN			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	QUINTOZENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>JOHNSON CONTROLS BATTERY GROUP, INC.</b>						<b>ST. JOSEPH</b>				
	ANTIMONY COMPOUNDS			0.0	0.0	0.0	0.0	0.0	9,794.0	0.0	0.0
	ARSENIC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	339.0	0.0	0.0
	LEAD COMPOUNDS			300.0	0.0	0.0	2.0	0.0	8,825,860.0	0.0	0.0
	<b>JOHNSON CONTROLS DISTRIBUTION CENTER</b>						<b>ST. JOSEPH</b>				
	LEAD COMPOUNDS			0.0	0.0	0.0	1.0	0.0	527,924.0	0.0	0.0
	<b>LAKE ROAD STATION</b>						<b>ST. JOSEPH</b>				
	BARIUM COMPOUNDS			5,980.0	0.0	533.0	0.0	119,856.0	173,000.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROGEN FLUORIDE			33,261.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			57.0	0.0	0.0	0.0	1,129.0	1,629.0	0.0	0.0
	MERCURY COMPOUNDS			18.0	0.0	1.0	0.0	8.0	16.0	0.0	0.0
	<b>OMNIUM</b>						<b>ST. JOSEPH</b>				
	1,2,4-TRIMETHYLBENZENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	2,4-D			0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,763.0
	AMETRYN			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ARSENIC			4.7	0.0	0.0	0.0	1,589.0	0.0	0.0	0.0
	ATRAZINE			85.0	250.0	0.0	0.0	0.0	0.0	0.0	13,847.0
	BROMOXYNIL OCTANOATE			5.0	0.0	0.0	0.0	0.0	0.0	0.0	2,160.0
	CUMENE			5.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CYFLUTHRIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIURON	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1,992.0
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MALATHION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-METHYL-2-PYRROLIDONE	5.0	0.0	0.0	0.0	0.0	0.0	0.0	562.0
			NAPHTHALENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			OXYFLUORFEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			PROMETRYN	22.0	0.0	0.0	0.0	0.0	0.0	0.0	7,265.0
			SIMAZINE	255.0	0.0	0.0	0.0	0.0	0.0	0.0	1,168.0
			SODIUM DICAMBA	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3,102.0
			TRICHLORFON	4,423.0	0.0	0.0	0.0	0.0	0.0	0.0	375.0
			TRIFLURALIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,884.0
			XYLENE (MIXED ISOMERS)	284.0	0.0	0.0	0.0	0.0	0.0	0.0	117.0
			<b>PRIME TANNING CORP.</b>				<b>ST. JOSEPH</b>				
			AMMONIA	228.0	0.0	0.0	0.0	654.0	0.0	0.0	172,627.0
			CERTAIN GLYCOL ETHERS	192.0	0.0	0.0	0.0	30,402.0	0.0	0.0	46,403.0
			CHROMIUM COMPOUNDS	5.6	0.0	0.0	608.0	35,374.0	393,063.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	193.5	0.0	0.0	0.0
			POTASSIUM N-METHYLDITHIOCARBAMATE	5.0	0.0	0.0	0.0	25,093.0	0.0	0.0	7,351.0
			<b>PURINA MILLS, LLC</b>				<b>ST. JOSEPH</b>				
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>SILGAN CONTAINERS MFG. CORP.</b>				<b>ST. JOSEPH</b>				
			1,2,4-TRIMETHYLBENZENE	3,382.0	0.0	0.0	0.0	0.0	0.0	2,711.0	40,920.0
			CERTAIN GLYCOL ETHERS	57,794.0	0.0	0.0	0.0	0.0	0.0	90,072.0	327,442.0
			METHYL ISOBUTYL KETONE	2,850.0	0.0	0.0	0.0	0.0	0.0	1,659.0	32,000.0
			N-BUTYL ALCOHOL	6,428.0	0.0	0.0	0.0	0.0	0.0	5,032.0	125,074.0
			XYLENE (MIXED ISOMERS)	4,552.0	0.0	0.0	0.0	0.0	0.0	1,756.0	40,264.0
			<b>VP BUILDINGS, INC.</b>				<b>ST. JOSEPH</b>				
			1,2,4-TRIMETHYLBENZENE	40,326.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	9,937.0	0.0	0.0	0.0	0.0	0.0	0.0	160.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			N-BUTYL ALCOHOL	9,937.0	0.0	0.0	0.0	0.0	0.0	0.0	160.0
			XYLENE (MIXED ISOMERS)	53,469.0	0.0	0.0	0.0	0.0	0.0	0.0	800.0
	<b>WIRE ROPE CORP. OF AMERICA, INC.</b>						<b>ST. JOSEPH</b>				
			BARIUM COMPOUNDS	5.0	0.0	0.0	0.0	928.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	2.1	0.0	95.6	0.0	0.0
	<b>BUTLER</b>										
	<b>BRIGGS &amp; STRATTON CORP.</b>						<b>POPLAR BLUFF</b>				
			COPPER	10.3	0.0	0.0	17.6	2,083.0	163,975.0	0.0	0.0
			CYCLOHEXANE	262.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROGEN FLUORIDE	195.0	0.0	0.0	0.0	0.0	0.0	0.0	20,776.0
			LEAD	0.0	0.0	0.0	14.7	12.0	9,111.0	0.0	0.0
			N-BUTYL ALCOHOL	12,783.0	0.0	0.0	0.0	0.0	0.0	108.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149,603.0
			NITRIC ACID	480.0	0.0	0.0	0.0	0.0	0.0	0.0	152,036.0
			POLYCYCLIC AROMATIC COMPOUNDS	155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	1,370.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0
			ZINC COMPOUNDS	190.0	0.0	0.0	174.0	16,246.0	0.0	0.0	0.0
	<b>GATES CORP.</b>						<b>POPLAR BLUFF</b>				
			CERTAIN GLYCOL ETHERS	158.0	0.0	0.0	0.0	8,207.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	62,556.0	0.0	0.0	0.0
	<b>NORDYNE, INC.</b>						<b>POPLAR BLUFF</b>				
			CHLORODIFLUOROMETHANE	36,313.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER	0.0	0.0	0.0	0.0	0.0	199,000.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	17,263.0	0.0	0.0
	<b>PIERCE PETROLEUM CO. BULK PLANT</b>						<b>POPLAR BLUFF</b>				
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			BENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CUMENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CYCLOHEXANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ROWE FURNITURE CORP.</b>						<b>POPLAR BLUFF</b>				
			METHANOL	14,800.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CALLAWAY</b>										
	<b>ABB, INC.</b>						<b>JEFFERSON CITY</b>				
			CERTAIN GLYCOL ETHERS	35,200.0	0.0	0.0	0.0	0.0	0.0	0.0	17,529.0
			CHROMIUM	5.0	0.0	0.0	0.0	0.0	7,987.0	0.0	0.0
			COPPER	250.0	0.0	0.0	0.0	0.0	87,179.0	0.0	0.0
			METHYL ETHYL KETONE	37,947.0	0.0	0.0	0.0	0.0	33,054.0	0.0	0.0
			NICKEL	5.0	0.0	0.0	0.0	0.0	102,676.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	12,480.0	0.0	0.0	0.0	0.0	6,879.0	0.0	0.0
	<b>CENTRAL ELECTRIC MANUFACTURING CO.</b>						<b>FULTON</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CAMDEN</b>										
	<b>MODINE MANUFACTURING CO.</b>						<b>CAMDENTON</b>				
			MANGANESE	0.0	0.0	0.0	0.0	0.0	3,969.0	0.0	0.0
	<b>SPEEDLINE TECHNOLOGIES ELECTROVERT</b>						<b>CAMDENTON</b>				
			LEAD	0.0	0.0	0.0	0.0	0.0	4,300.0	0.0	0.0
	<b>CAPE GIRARDEAU</b>										
	<b>AMERICAN RAILCAR INDS., INC.</b>						<b>JACKSON</b>				
			CHROMIUM	6.4	0.0	0.0	0.0	122.2	5,080.0	0.0	0.0
			MANGANESE	13.8	0.0	0.0	0.0	128.4	9,430.0	0.0	0.0
			NICKEL	6.3	0.0	0.0	0.0	121.0	4,980.0	0.0	0.0
	<b>ATLAS ALCHEM PLASTICS, INC.</b>						<b>CAPE GIRARDEAU</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	1.0	40.0	0.0	0.0
	<b>BIOKYOWA, INC.</b>						<b>CAPE GIRARDEAU</b>				
			AMMONIA	1,199.0	0.0	150,606.0	0.0	5,656.0	232,090.0	0.0	0.0
			METHANOL	824.0	0.0	187.0	0.0	0.0	25,000.0	0.0	51,900.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>BUZZI UNICEM USA</b>						<b>CAPE GIRARDEAU</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			1,2,4-TRIMETHYLBENZENE	255.0	0.0	0.0	0.0	0.0	0.0	292,900.0	0.0
			BARIUM COMPOUNDS	250.0	18,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			BENZENE	10.0	0.0	0.0	0.0	0.0	0.0	55,600.0	0.0
			BIPHENYL	10.0	0.0	0.0	0.0	0.0	0.0	22,500.0	0.0
			CHROMIUM COMPOUNDS	250.0	1,620.0	0.0	0.0	0.0	4,600.0	0.0	0.0
			CRESOL (MIXED ISOMERS)	10.0	0.0	0.0	0.0	0.0	0.0	97,200.0	0.0
			DIAMINOTOLUENE (MIXED ISOMERS)	255.0	0.0	0.0	0.0	0.0	0.0	322,300.0	0.0
			DICHLOROMETHANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	500.0	0.0	0.0	0.0	0.0	0.0	524,600.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	37,500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	6.0	19,620.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE	5.0	5,006.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	161.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	500.0	0.0	0.0	0.0	0.0	0.0	842,000.0	0.0
			METHYL ISOBUTYL KETONE	500.0	0.0	0.0	0.0	0.0	0.0	387,600.0	0.0
			METHYL METHACRYLATE	10.0	0.0	0.0	0.0	0.0	0.0	154,500.0	0.0
			NAPHTHALENE	10.0	0.0	0.0	0.0	0.0	0.0	121,500.0	0.0
			NICKEL COMPOUNDS	250.0	2,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			PHENOL	255.0	0.0	0.0	0.0	0.0	0.0	266,100.0	0.0
			STYRENE	500.0	0.0	0.0	0.0	0.0	0.0	881,500.0	0.0
			TETRACHLOROETHYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	500.0	0.0	0.0	0.0	0.0	0.0	1,759,600.0	0.0
			TRICHLOROETHYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	0.0	541,700.0	0.0
	<b>FOAMEX L.P.</b>						<b>CAPE GIRARDEAU</b>				
			THIRAM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	1,153.0	575.0	0.0	0.0
	<b>NORDENIA USA, INC.</b>						<b>JACKSON</b>				
			N-METHYL-2-PYRROLIDONE	20,083.0	0.0	0.0	0.0	0.0	536,440.0	10,125.0	0.0
			OZONE	6,500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>RAPCO INTERNATIONAL, INC.</b>						<b>JACKSON</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
SAFETY-KLEEN SYSTEMS (503001)				CAPE GIRARDEAU							
	ETHYLENE GLYCOL			12.0	0.0	0.0	0.0	0.0	132,557.0	0.0	0.0
	LEAD			0.0	0.0	0.0	0.0	0.0	615.8	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	1,574.5	0.0	0.0
SEMO READY MIX				JACKSON							
	ALUMINUM OXIDE (FIBROUS FORMS)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FORMALDEHYDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SODIUM O-PHENYLPHENOXIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SEMO READY MIX - NEELYS LANDING				JACKSON							
	ALUMINUM OXIDE (FIBROUS FORMS)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	FORMALDEHYDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SODIUM O-PHENYLPHENOXIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SPARTECH POLYCOM, INC.				CAPE GIRARDEAU							
	ANTIMONY COMPOUNDS			0.0	0.0	0.0	0.0	250.0	130.0	0.0	0.0
	CHROMIUM COMPOUNDS			0.0	0.0	0.0	0.0	1,100.0	515.0	0.0	0.0
	LEAD COMPOUNDS			2.0	0.0	0.0	0.0	3,700.0	1,750.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	1,100.0	500.0	0.0	0.0
THE PROCTER & GAMBLE PAPER PRODUCTS CO.				JACKSON							
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD			5.3	0.0	1.3	0.4	1.5	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TORQUE-TRACTION MFG. TECH., INC.				CAPE GIRARDEAU							
	COPPER			0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
	METHANOL			310.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0
CARROLL				CARROLLTON							
	CARROLLTON STATION & TERMINAL- SINCLAIR CORP.										
	1,2,4-TRIMETHYLBENZENE			500.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
	BENZENE			1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0
	BENZO(G,H,I)PERYLENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ETHYLBENZENE	500.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
			N-HEXANE	1,668.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.1	0.0	0.0	0.0	0.0	4.0	0.0	0.0
			TOLUENE	1,571.0	0.0	0.0	0.0	0.0	77.0	0.0	145.0
			XYLENE (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	348.0	0.0	61.0
	<b>DEXTER AXLE</b>						<b>CARROLLTON</b>				
			MANGANESE	1,500.0	0.0	0.0	0.0	0.0	2,250.0	0.0	0.0
	<b>RICHARD COX MFG. CO.</b>						<b>CARROLLTON</b>				
			XYLENE (MIXED ISOMERS)	18,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>CARTER</b>											
	<b>ROYAL OAK ENTERPRISES, INC.</b>						<b>ELLSINORE</b>				
			METHANOL	3,512,016.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>CASS</b>											
	<b>CENTURY CONCRETE, INC.</b>						<b>BELTON</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>EAGLE PICHER PHARMACEUTICAL SERVICES, LLC</b>						<b>HARRISONVILLE</b>				
			ACETONITRILE	552.0	0.0	0.0	0.0	0.0	0.0	10,502.0	0.0
			DICHLOROMETHANE	42.0	42.0	0.0	0.0	0.0	0.0	0.0	2,599.0
			METHANOL	13,945.0	0.0	0.0	0.0	0.0	0.0	14,822.0	0.0
			N,N-DIMETHYLFORMAMIDE	755.0	0.0	0.0	0.0	0.0	0.0	7,779.0	800.0
	<b>LONE WOLF ENTERPRISES, INC.</b>						<b>HARRISONVILLE</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SOUTHEAST WOOD</b>						<b>PLEASANT HILL</b>				
			ARSENIC COMPOUNDS	0.0	0.0	0.0	0.0	1,120.0	21.0	0.0	0.0
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	0.0	1,307.0	24.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	747.0	17.0	0.0	0.0
	<b>UNIVERSAL FOREST PRODUCTS, INC.</b>						<b>HARRISONVILLE</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ARSENIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>CEDAR</b>											
	<b>DAIRICONCEPTS</b>							<b>EL DORADO SPRINGS</b>			
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26,863.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,933.0
<b>CHRISTIAN</b>											
	<b>FIOCCHI OF AMERICA, INC.</b>							<b>OZARK</b>			
			ANTIMONY COMPOUNDS	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>LIBERTY IND.</b>							<b>OZARK</b>			
			STYRENE	6,435.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MID-CONTINENT MATERIALS (CONCRETE CO. OF SPFLD.)</b>							<b>NIXA</b>			
			LEAD COMPOUNDS	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WILCORP IND., INC.</b>							<b>BILLINGS</b>			
			CYCLOHEXANE	40.0	0.0	0.0	0.0	0.0	0.0	0.0	390.0
			METHYL ETHYL KETONE	40.0	0.0	0.0	0.0	0.0	0.0	0.0	1,640.0
			METHYL ISOBUTYL KETONE	10.0	0.0	0.0	0.0	0.0	0.0	0.0	160.0
			N-HEXANE	20.0	0.0	0.0	0.0	0.0	0.0	0.0	130.0
			TOLUENE	10.0	0.0	0.0	0.0	0.0	0.0	0.0	490.0
			XYLENE (MIXED ISOMERS)	20.0	0.0	0.0	0.0	0.0	0.0	0.0	200.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	75.0	1.0	0.0	0.0
<b>CLAY</b>											
	<b>ADM MILLING CO.</b>							<b>NORTH KANSAS CITY</b>			
			BENZOYL PEROXIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ADM PROCESSING</b>							<b>NORTH KANSAS CITY</b>			
			N-HEXANE	93,897.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
CHEMCENTRAL/KANSAS CITY				KANSAS CITY							
	1,2,4-TRIMETHYLBENZENE			500.0	0.0	0.0	0.0	0.0	0.0	360.0	0.0
	CERTAIN GLYCOL ETHERS			500.0	0.0	0.0	0.0	0.0	0.0	380.0	0.0
	CUMENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DI(2-ETHYLHEXYL) PHTHALATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLBENZENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			255.0	0.0	0.0	0.0	0.0	0.0	110.0	0.0
	METHYL ETHYL KETONE			255.0	0.0	0.0	0.0	0.0	0.0	78.0	0.0
	METHYL ISOBUTYL KETONE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-HEXANE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-METHYL-2-PYRROLIDONE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			255.0	0.0	0.0	0.0	0.0	0.0	90.0	0.0
	XYLENE (MIXED ISOMERS)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COMPLETE HOME CONCEPTS, INC.				NORTH KANSAS CITY							
	STYRENE			14,770.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COOK COMPOSITES AND POLYMERS CO.				NORTH KANSAS CITY							
	1,2,4-TRIMETHYLBENZENE			10.0	0.0	0.0	0.0	0.0	0.0	3,492.1	5,412.7
	ETHYLENE GLYCOL			3.9	0.0	0.0	0.0	0.0	0.0	2,880.7	53,562.2
	MALEIC ANHYDRIDE			222.2	0.0	0.0	0.0	0.0	0.0	0.0	267.7
	METHYL METHACRYLATE			6,400.0	0.0	0.0	0.0	0.0	0.0	134,715.4	9,001.3
	STYRENE			19,682.0	0.0	0.0	0.0	0.0	0.0	751,629.6	38,356.9
	XYLENE (MIXED ISOMERS)			21.2	0.0	0.0	0.0	0.0	0.0	77,352.8	53,612.6
DAVIS PAINT CO.				NORTH KANSAS CITY							
	ETHYLBENZENE			1,000.0	0.0	0.0	0.0	0.0	0.0	4,059.0	0.0
	ETHYLENE GLYCOL			500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			1,324.0	0.0	0.0	0.0	0.0	0.0	4,059.0	0.0
	TOLUENE			1,426.0	0.0	0.0	0.0	0.0	0.0	812.0	0.0
	XYLENE (MIXED ISOMERS)			1,426.0	0.0	0.0	0.0	0.0	0.0	72,250.0	0.0
DOUGLAS PRODUCTS & PACKAGING CO.				LIBERTY							
	MALATHION			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
EARL CAMPBELL MFG. CO.				NORTH KANSAS CITY							
	METHYL ETHYL KETONE			282.0	0.0	0.0	0.0	0.0	1,000.0	236.0	0.0
	METHYL ISOBUTYL KETONE			466.0	0.0	0.0	0.0	0.0	900.0	393.0	0.0
	N-BUTYL ALCOHOL			494.0	0.0	0.0	0.0	0.0	600.0	416.0	0.0
	TOLUENE			1,450.0	0.0	0.0	0.0	0.0	5,000.0	1,219.0	0.0
	XYLENE (MIXED ISOMERS)			270.0	0.0	0.0	0.0	0.0	600.0	226.0	0.0
FLINT INK NORTH AMERICA				NORTH KANSAS CITY							
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FORD MOTOR CO. - KANSAS CITY ASSEMBLY PLANT				CLAYCOMO							
	1,2,4-TRIMETHYLBENZENE			110,560.0	0.0	0.0	0.0	230.0	76,000.0	7,200.0	80,062.0
	BENZENE			332.0	0.0	0.0	0.0	0.0	0.0	0.0	1,674.0
	BENZO(G,H,I)PERYLENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			110,570.0	0.0	0.0	0.0	110.0	0.0	7,400.0	17,400.0
	CUMENE			27,140.0	0.0	0.0	0.0	34.0	0.0	7,100.0	0.0
	CYCLOHEXANE			221.0	0.0	0.0	0.0	0.0	0.0	0.0	1,049.0
	DECABROMODIPHENYL OXIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	33,000.0
	ETHYLBENZENE			130,680.0	0.0	0.0	0.0	360.0	190,000.0	22,000.0	110,049.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,000.0
	LEAD COMPOUNDS			1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			74.4	0.0	0.0	140.0	8,300.0	0.0	0.0	0.0
	METHANOL			2,110.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			33,170.0	0.0	0.0	0.0	41.0	0.0	7,200.0	0.0
	METHYL ISOBUTYL KETONE			251,200.0	0.0	0.0	0.0	940.0	700,000.0	65,000.0	270,000.0
	METHYL TERT-BUTYL ETHER			829.0	0.0	0.0	0.0	0.0	0.0	0.0	4,090.0
	N-BUTYL ALCOHOL			190,930.0	0.0	0.0	0.0	360.0	76,000.0	7,200.0	130,000.0
	N-HEXANE			3,837.0	0.0	0.0	0.0	0.0	0.0	0.0	1,886.0
	N-METHYL-2-PYRROLIDONE			37,190.0	0.0	0.0	0.0	62.0	0.0	0.0	24,000.0
	NAPHTHALENE			31,160.0	0.0	0.0	0.0	42.0	0.0	7,100.0	3,400.0
	NICKEL COMPOUNDS			4.0	0.0	0.0	310.0	13,000.0	0.0	0.0	0.0
	NITRATE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	190,000.0
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	130,000.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SODIUM NITRITE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	64,000.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			TOLUENE	32,270.0	0.0	0.0	0.0	110.0	76,000.0	7,400.0	35,260.0
			XYLENE (MIXED ISOMERS)	552,900.0	0.0	0.0	0.0	1,500.0	830,000.0	96,000.0	450,280.0
			ZINC COMPOUNDS	180.0	0.0	0.0	370.0	24,000.0	0.0	0.0	0.0
	<b>FORDYCE CONCRETE CO., INC.</b>						<b>KANSAS CITY</b>				
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FORDYCE CONERETE CO., INC.</b>						<b>KANSAS CITY</b>				
			LEAD COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>GILMOUR MFG.</b>						<b>EXCELSIOR SPRINGS</b>				
			BARIUM	0.0	0.0	0.0	0.0	3,421.0	27,128.0	0.0	0.0
			DI(2-ETHYLHEXYL) PHTHALATE	0.0	0.0	0.0	0.0	48,639.0	385,716.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	1,708.0	13,501.0	0.0	0.0
	<b>JESCO RESOURCES, INC.</b>						<b>NORTH KANSAS CITY</b>				
			ANTIMONY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>LAFARGE NORTH AMERICA, INC.</b>						<b>KANSAS CITY</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NATIONAL STARCH &amp; CHEMICAL CO.</b>						<b>NORTH KANSAS CITY</b>				
			PROPYLENE OXIDE	2,521.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>POLYMERIC IMAGINE, INC.</b>						<b>NORTH KANSAS CITY</b>				
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	957.0	0.0
	<b>PRAXAIR SURFACE TECHNOLOGIES, INC.</b>						<b>NORTH KANSAS CITY</b>				
			NITRIC ACID	270.0	0.0	0.0	0.0	0.0	0.0	0.0	19,265.0
	<b>REMCO DIVISION OF QUALSERV CORP.</b>						<b>NORTH KANSAS CITY</b>				
			CHROMIUM	12.0	0.0	0.0	0.0	124.0	47,395.0	0.0	0.0
			NICKEL	6.0	0.0	0.0	0.0	60.0	23,502.0	0.0	0.0
	<b>SAMUEL BINGHAM ENTERPRISES</b>						<b>NORTH KANSAS CITY</b>				
			DI(2-ETHYLHEXYL) PHTHALATE	0.0	0.0	0.0	0.0	2,000.0	0.0	0.0	0.0
	<b>SERICOL, INC.</b>						<b>NORTH KANSAS CITY</b>				
			1,2,4-TRIMETHYLBENZENE	12,117.0	0.0	0.0	0.0	0.0	4,743.0	11,209.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	CERTAIN GLYCOL ETHERS			2,545.0	0.0	0.0	0.0	0.0	0.0	4,720.0	0.0
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	97.0	0.0	0.0	0.0
	<b>SOUTHWEST TECHNOLOGIES, INC.</b>							<b>NORTH KANSAS CITY</b>			
	ACRYLAMIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>TNEMEC CO., INC.</b>							<b>NORTH KANSAS CITY</b>			
	1,2,4-TRIMETHYLBENZENE			256.0	0.0	0.0	0.0	0.0	0.0	8,944.0	0.0
	BARIUM COMPOUNDS			22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			368.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIISOCYANATES			10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLBENZENE			1,532.0	0.0	0.0	0.0	0.0	0.0	36,670.0	0.0
	METHYL ETHYL KETONE			726.0	0.0	0.0	0.0	0.0	0.0	20,571.0	0.0
	METHYL ISOBUTYL KETONE			3,262.0	0.0	0.0	0.0	0.0	0.0	95,475.0	0.0
	N-BUTYL ALCOHOL			2,214.0	0.0	0.0	0.0	0.0	0.0	69,315.0	0.0
	STYRENE			216.0	0.0	0.0	0.0	0.0	0.0	8,944.0	0.0
	XYLENE (MIXED ISOMERS)			9,094.0	0.0	0.0	0.0	0.0	0.0	207,273.0	0.0
	ZINC (FUME OR DUST)			164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>UNITED STATES GYPSUM CO.</b>							<b>NORTH KANSAS CITY</b>			
	LEAD COMPOUNDS			0.0	0.0	0.0	3.4	0.1	0.0	0.0	0.0
	<b>VARIFORM, INC.</b>							<b>KEARNEY</b>			
	ANTIMONY COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>VERTEX PLASTICS, INC.</b>							<b>KEARNEY</b>			
	STYRENE			11,424.0	0.0	0.0	0.0	0.0	0.0	66.0	0.0
	<b>WELCO MANUFACTURING CO.</b>							<b>NORTH KANSAS CITY</b>			
	ETHYLENE GLYCOL			10.0	500.0	0.0	0.0	5.0	0.0	0.0	0.0
	<b>CLINTON</b>										
	<b>MID-AMERICA FRAME, INC.</b>							<b>PLATTSBURG</b>			
	TOLUENE			12,968.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0
	<b>COLE</b>										
	<b>DELONG'S, INC.</b>							<b>JEFFERSON CITY</b>			

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			LEAD	0.4	0.0	0.0	0.0	4.4	0.0	0.0	0.0
			NICKEL	0.5	0.0	0.0	0.9	19.0	6,234.0	0.0	0.0
			PROPYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC (FUME OR DUST)	241.0	0.0	0.4	0.0	241.0	0.0	0.0	0.0
	<b>DELONG'S, INC.</b>						<b>JEFFERSON CITY</b>				
			MANGANESE	16.7	0.0	0.0	2.3	225.6	15,585.0	0.0	0.0
	<b>JEFFERSON CITY TERMINAL</b>						<b>JEFFERSON CITY</b>				
			1,2,4-TRIMETHYLBENZENE	500.0	1.0	0.0	0.0	0.0	0.0	0.0	96.0
			BENZENE	1,000.0	0.0	0.0	0.0	0.0	1.0	0.0	2,901.0
			BENZO(G,H,I)PERYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CYCLOHEXANE	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	4,800.0
			ETHYLBENZENE	500.0	0.0	0.0	0.0	0.0	0.0	0.0	330.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-HEXANE	1,000.0	2.0	0.0	0.0	0.0	0.0	0.0	4,100.0
			POLYCYCLIC AROMATIC COMPOUNDS	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
			PROPYLENE	1,300.0	0.0	0.0	0.0	0.0	0.0	0.0	88.0
			TOLUENE	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	4,603.0
			XYLENE (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	0.0	0.0	991.0
	<b>JOHNSON CONTROLS, INC. HOOVER AUTOMOTIVE DIV.</b>						<b>JEFFERSON CITY</b>				
			DIETHANOLAMINE	2,405.0	0.0	0.0	0.0	5.0	0.0	0.0	2,919.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	185.0	5.0	0.0	0.0	0.0	0.0	0.0	772.0
	<b>MODINE MANUFACTURING CO.</b>						<b>JEFFERSON CITY</b>				
			COPPER	303.0	0.0	8.0	10.0	885.0	318,301.0	0.0	0.0
			LEAD	132.0	0.0	48.0	6.0	1,697.0	76,854.0	0.0	0.0
	<b>PORITE JEFFERSON CORP.</b>						<b>JEFFERSON CITY</b>				
			COPPER	5.0	0.0	0.0	0.0	0.0	23,980.0	0.0	0.0
<b>COOPER</b>											
	<b>CATERPILLAR BOONVILLE FACILITY (HPR)</b>						<b>BOONVILLE</b>				
			LEAD COMPOUNDS	48.0	0.0	0.0	0.0	830.0	0.0	0.0	0.0
			TOLUENE	10,469.0	0.0	0.0	0.0	0.0	0.0	305.0	0.0
			XYLENE (MIXED ISOMERS)	11,806.0	0.0	0.0	0.0	0.0	0.0	1,713.0	0.0
			ZINC COMPOUNDS	3.0	0.0	0.0	0.0	483.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>FUQUA HOMES, INC.</b>							<b>BOONVILLE</b>			
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NORDYNE, INC.</b>							<b>BOONVILLE</b>			
	CHLORODIFLUOROMETHANE			21,000.0	0.0	0.0	0.0	0.0	125,000.0	0.0	0.0
	COPPER			0.0	0.0	0.0	0.0	0.0	110,000.0	0.0	0.0
<b>CRAWFORD</b>											
	<b>ARNESON TIMBER CO., INC.</b>							<b>STEELVILLE</b>			
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>B.W. FREEMAN, INC.</b>							<b>CUBA</b>			
	DIISOCYANATES			32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-METHYL-2-PYRROLIDONE			192.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ENNIS PAINT, INC.</b>							<b>CUBA</b>			
	METHANOL			4,704.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL METHACRYLATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	838.5
	<b>GP GYPSUM FIREDOR COMPONENT FACILITY</b>							<b>CUBA</b>			
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	113.0	0.0	0.0	0.0
	PROPYLENE			0.0	0.0	0.0	0.0	0.0	0.0	105,151.0	0.0
	<b>MAR-BAL, INC.</b>							<b>CUBA</b>			
	STYRENE			8,432.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>OLIN CORP. - FINEWELD TUBE</b>							<b>CUBA</b>			
	COPPER			0.0	0.0	4.0	105.0	0.0	173.0	0.0	0.0
	MANGANESE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>DAVIESS</b>											
	<b>LANDMARK MFG. CORP.</b>							<b>GALLATIN</b>			
	MANGANESE			0.0	0.0	0.0	0.0	0.0	48,633.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	6,574.0	0.0	0.0
	<b>PREMIUM STANDARD FARMS-COFFEY FEEDMILL</b>							<b>PATTONSBURG</b>			
	CHROMIUM COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			SELENIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>DENT</b>											
			<b>ROYAL OAK ENTERPRISES, INC.</b>				<b>SALEM</b>				
			METHANOL	363,456.0	0.0	0.0	0.0	0.0	0.0	0.0	359,821.0
<b>DOUGLAS</b>											
			<b>COPELAND CORP.</b>				<b>AVA</b>				
			LEAD	0.0	0.0	0.0	17.0	0.3	67.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	22.0	37.0	7,988.0	0.0	0.0
<b>DUNKLIN</b>											
			<b>AMERICAN RAILCAR IND.</b>				<b>KENNETT</b>				
			MANGANESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>EMERSON ELECTRIC CO.</b>				<b>KENNETT</b>				
			CHROMIUM	0.0	5.0	0.0	5.0	5.0	4,974.0	0.0	0.0
			COBALT	0.0	5.0	0.0	0.0	5.0	332.0	0.0	0.0
			COPPER	0.0	5.0	10.0	5.0	5.0	157,085.0	0.0	0.0
			DIISOCYANATES	250.0	250.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	11,798.0	0.0	0.0	0.0	0.0	0.0	1,319.0	0.0
			LEAD	0.0	10.0	0.0	4.0	10.0	8,906.0	0.0	0.0
			MANGANESE	0.0	5.0	0.0	0.0	5.0	995.0	0.0	0.0
			N-BUTYL ALCOHOL	9,200.0	0.0	0.0	0.0	0.0	0.0	1,483.0	0.0
			NICKEL	0.0	5.0	0.0	5.0	5.0	4,477.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	52,067.0	0.0	0.0	0.0	0.0	0.0	9,380.0	0.0
			<b>FEDERAL MOGUL CORP.</b>				<b>MALDEN</b>				
			COPPER	132.0	0.0	2.0	1.0	193.0	70,027.0	0.0	0.0
			LEAD	6.0	0.0	4.0	6.0	9.0	2,268.0	0.0	0.0
			MANGANESE	45.0	0.0	13.0	23.0	66.0	23,966.0	0.0	0.0
			NICKEL	24.0	0.0	6.0	6.0	34.0	12,441.0	0.0	0.0
			<b>OZARK WIRE, INC.</b>				<b>MALDEN</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	6,095.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
			SULFURIC ACID ("AEROSOLS" ONLY)	590.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	<b>PARKER HANNIFIN CORP., ACD</b>						<b>KENNETT</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	849.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	5.0	2,725.0	0.0	0.0	0.0
	<b>STEEL TECHNOLOGIES, INC. - CUSTOM STEEL DIV.</b>						<b>KENNETT</b>				
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	51,600.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	57,800.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	8,900.0	0.0	0.0
<b>FRANKLIN</b>											
	<b>AEROFIL TECHNOLOGY, INC.</b>						<b>SULLIVAN</b>				
			1,2,4-TRIMETHYLBENZENE	117.0	0.0	0.0	0.0	0.0	0.0	661.0	0.0
			ACEPHATE	239.0	0.0	0.0	0.0	0.0	0.0	0.0	92.0
			CHLOROTHALONIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	235.0
			CYCLOHEXANE	314.0	0.0	0.0	0.0	0.0	0.0	750.0	0.0
			CYCLOHEXANOL	500.0	0.0	0.0	0.0	0.0	0.0	422.0	0.0
			DICHLOROMETHANE	16.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0
			ETHYLBENZENE	17.0	0.0	0.0	0.0	0.0	0.0	69.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	246.0
			MALATHION	283.0	0.0	0.0	0.0	0.0	0.0	0.0	1,637.0
			METHANOL	292.0	0.0	0.0	0.0	0.0	0.0	247.0	0.0
			N-HEXANE	4,577.0	0.0	0.0	0.0	0.0	0.0	3,955.0	0.0
			N-METHYL-2-PYRROLIDONE	78.0	0.0	0.0	0.0	0.0	0.0	430.0	0.0
			NAPHTHALENE	52.0	0.0	0.0	0.0	0.0	0.0	277.0	0.0
			PERMETHRIN	19.0	0.0	0.0	0.0	0.0	0.0	0.0	82.0
			TRIFORINE	147.0	0.0	0.0	0.0	0.0	0.0	0.0	93.0
			XYLENE (MIXED ISOMERS)	307.0	0.0	0.0	0.0	0.0	0.0	336.0	0.0
	<b>AMERENUE LABADIE POWER PLANT</b>						<b>LABADIE</b>				
			BARIUM COMPOUNDS	6,701.0	1,075,946.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM COMPOUNDS	3,553.0	415,525.0	0.0	0.0	0.0	0.0	0.0	0.0
			COBALT COMPOUNDS	250.0	17,698.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER COMPOUNDS	690.0	39,781.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	366,897.0	0.0	0.0	0.0	0.0	0.0	0.0	1,467,587.0
			HYDROGEN FLUORIDE	359,671.0	0.0	0.0	0.0	0.0	0.0	0.0	359,671.0
			LEAD COMPOUNDS	489.2	10,701.5	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	994.0	52,531.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	959.7	53.8	0.0	0.0	0.0	22.0	0.0	0.0
			NICKEL COMPOUNDS	750.0	22,780.0	0.0	0.0	0.0	13.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	42,974.0	0.0	0.0	0.0	0.0	0.0	0.0	52,524.0
			VANADIUM COMPOUNDS	635.0	50,822.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	2,337.0	27,339.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>CANAM STEEL CORP.</b>					<b>WASHINGTON</b>			
			ALUMINUM (FUME OR DUST)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			BARIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			PHOSPHORUS (YELLOW OR WHITE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC (FUME OR DUST)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>CONVENIENCE PRODUCTS</b>					<b>PACIFIC</b>			
			1,1-DICHLORO-1-FLUOROETHANE	3,495.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHLORODIFLUOROMETHANE	1,635.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>FASCO- VON WEISE GEAR</b>					<b>ST. CLAIR</b>			
			LEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>GDX AUTOMOTIVE</b>					<b>NEW HAVEN</b>			
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101,982.0
			SODIUM NITRITE	1,382.0	0.0	0.0	0.0	0.0	0.0	5,166.0	61,189.0
			TOLUENE	11,386.0	0.0	0.0	0.0	0.0	0.0	3,220.0	0.0
			XYLENE (MIXED ISOMERS)	25,597.0	0.0	0.0	0.0	0.0	0.0	2,024.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	32.2	71,976.0	25,599.0	0.0	0.0
			<b>INTEGRAM - ST. LOUIS SEATING</b>					<b>PACIFIC</b>			
			DIISOCYANATES	7.0	0.0	0.0	0.0	0.0	0.0	0.0	8,628.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>JEFFERSON PRODUCTS CO.</b>							<b>WASHINGTON</b>			
	AMMONIA			2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER			0.0	0.0	2.0	6.0	2,099.0	161,114.0	0.0	0.0
	LEAD			0.0	0.0	1.0	0.0	0.0	4,063.0	0.0	0.0
	MANGANESE			0.0	0.0	1.0	1.0	200.0	12,449.0	0.0	0.0
	NICKEL			0.0	0.0	1.0	4.0	237.0	13,634.0	0.0	0.0
	<b>M &amp; R PLATING</b>							<b>WASHINGTON</b>			
	CHROMIUM			5.0	0.0	0.0	1.0	3,090.0	0.0	0.0	0.0
	COBALT			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MARCHEM COATED FABRICS</b>							<b>NEW HAVEN</b>			
	XYLENE (MIXED ISOMERS)			347.0	0.0	0.0	0.0	0.0	210.0	0.0	0.0
	<b>MERAMEC GROUP</b>							<b>SULLIVAN</b>			
	DIBUTYL PHTHALATE			0.0	0.0	0.0	0.0	0.0	0.0	220.0	329.0
	DIISOCYANATES			0.0	5.0	0.0	0.0	0.0	0.0	0.0	4,293.0
	ETHYLENE GLYCOL			10.0	0.0	0.0	0.0	0.0	0.0	8,338.0	84.0
	LEAD			0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0
	<b>PAUWELS TRANSFORMERS INC.</b>							<b>WASHINGTON</b>			
	COPPER COMPOUNDS			0.0	0.0	0.0	0.0	0.0	157,612.0	0.0	0.0
	<b>PHARMA TECH IND., INC.</b>							<b>UNION</b>			
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	17,000.0	0.0	0.0	0.0
	<b>PLAZE, INC.</b>							<b>ST. CLAIR</b>			
	CERTAIN GLYCOL ETHERS			161.0	0.0	0.0	0.0	0.0	0.0	36,893.0	0.0
	DICHLOROMETHANE			212.0	0.0	0.0	0.0	0.0	0.0	2,025.0	0.0
	N-HEXANE			616.0	0.0	0.0	0.0	0.0	0.0	1,226.0	0.0
	<b>POLY ONE CORP.</b>							<b>SULLIVAN</b>			
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
	<b>SIESCO VALLEY SCREW PRODUCTS, INC.</b>							<b>UNION</b>			
	COPPER			0.0	0.0	0.0	0.0	0.0	111,248.0	0.0	0.0
	<b>SPORLAN VALVE CO. - PLANT #2</b>							<b>WASHINGTON</b>			

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			TRICHLOROETHYLENE	14,400.0	0.0	0.0	0.0	0.0	500,000.0	0.0	5,500.0
	<b>SPORLAN VALVE CO. - PLANT#1</b>						<b>WASHINGTON</b>				
			COPPER	0.0	0.0	0.0	6.0	3,400.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	68.0	0.0	0.0	0.0
			TRICHLOROETHYLENE	9,800.0	0.0	0.0	0.0	0.0	540,000.0	0.0	1,400.0
	<b>SPORLAN VALVE CO. - PLANT#3</b>						<b>WASHINGTON</b>				
			COPPER	0.0	0.0	0.0	2.0	10,067.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	200.0	0.0	0.0	0.0
			NITRIC ACID	5.0	0.0	0.0	0.0	0.0	0.0	0.0	14,000.0
			TRICHLOROETHYLENE	10,400.0	0.0	0.0	0.0	0.0	7,300,000.0	0.0	11,000.0
	<b>ST. CLAIR DIE CASTING LLC</b>						<b>ST. CLAIR</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	1,382.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	144.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	829.0	0.0	0.0
	<b>TRADCO, INC.</b>						<b>WASHINGTON</b>				
			HYDROGEN FLUORIDE	358.0	0.0	0.0	0.0	0.0	0.0	0.0	75,800.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32,000.0
			NITRIC ACID	240.0	0.0	0.0	0.0	0.0	0.0	0.0	32,500.0
	<b>TRUE MFG. CO., INC.</b>						<b>PACIFIC</b>				
			CHLORODIFLUOROMETHANE	8,409.0	0.0	0.0	0.0	750.0	0.0	0.0	0.0
			DIISOCYANATES	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>GREENE</b>											
	<b>3M CO. - SPRINGFIELD</b>						<b>SPRINGFIELD</b>				
			BUTYL ACRYLATE	10.0	0.0	0.0	0.0	0.0	0.0	0.0	1,350.0
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	680.0
			CYCLOHEXANE	7,540.0	0.0	0.0	0.0	0.0	0.0	0.0	4,920.0
			DIISOCYANATES	180.0	0.0	0.0	0.0	0.0	0.0	0.0	69,440.0
			METHANOL	710.0	0.0	0.0	0.0	0.0	0.0	0.0	11,890.0
			METHYL ETHYL KETONE	32,020.0	0.0	0.0	0.0	0.0	0.0	0.0	554,060.0
			METHYL ISOBUTYL KETONE	5,150.0	0.0	0.0	0.0	0.0	0.0	0.0	28,950.0
			N-HEXANE	7,740.0	0.0	0.0	0.0	0.0	6,150.0	0.0	14,860.0
			TETRABROMOBISPHENOL A	16.0	0.0	0.0	0.0	0.0	0.0	0.0	504.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			TOLUENE	57,390.0	0.0	0.0	0.0	0.0	169,430.0	0.0	2,038,010.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	70.0	0.0	0.0	0.0	0.0	0.0	0.0	27,200.0
			XYLENE (MIXED ISOMERS)	430.0	0.0	0.0	0.0	0.0	0.0	0.0	2,480.0
			ZINC COMPOUNDS	7,320.0	0.0	0.0	0.0	9,100.0	0.0	0.0	0.0
			<b>ACME STRUCTURAL, INC.</b>					<b>SPRINGFIELD</b>			
			CHROMIUM COMPOUNDS	5.0	0.0	5.0	0.0	0.0	7,238.0	0.0	0.0
			MANGANESE COMPOUNDS	250.0	0.0	250.0	0.0	0.0	5,507.0	0.0	0.0
			NICKEL COMPOUNDS	5.0	0.0	5.0	0.0	0.0	4,504.0	0.0	0.0
			<b>ADM ALLIANCE NUTRION, INC.</b>					<b>SPRINGFIELD</b>			
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>CARLISLE POWER TRANSMISSION PRODUCTS, INC.</b>					<b>SPRINGFIELD</b>			
			BENZO(G,H,I)PERYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	240.0
			DIISOCYANATES	2,505.0	0.0	0.0	0.0	80.0	0.0	0.0	1,590.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22,000.0
			TOLUENE	12,900.0	800.0	0.0	0.0	800.0	0.0	564,200.0	0.0
			ZINC COMPOUNDS	3.0	0.0	0.0	20.0	55,050.0	120.0	0.0	0.0
			<b>CLARIANT LSM (MISSOURI) INC.</b>					<b>SPRINGFIELD</b>			
			BROMINE	3,278.0	0.0	0.0	0.0	0.0	0.0	0.0	2,098,768.0
			CHLOROFORM	6,860.0	0.0	0.0	0.0	0.0	0.0	66,721.0	19,773.0
			CHLOROMETHANE	8,322.0	0.0	0.0	0.0	0.0	0.0	0.0	149,183.0
			CYANIDE COMPOUNDS	21.0	0.0	0.0	0.0	0.0	26.0	383.0	40,324.0
			DICHLOROMETHANE	24,427.0	0.0	0.0	0.0	0.0	0.0	13,584.0	903,476.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	2,252.0	0.0	0.0	0.0	0.0	0.0	0.0	1,083,447.0
			METHANOL	1,508.0	0.0	0.0	0.0	0.0	0.0	18,943.0	9,423.0
			N-HEXANE	2,626.0	0.0	0.0	0.0	0.0	14,960.0	219,028.0	31,501.0
			SULFURIC ACID ("AEROSOLS" ONLY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	148,349.0
			TOLUENE	10,004.0	0.0	0.0	0.0	0.0	50,320.0	736,729.0	246,860.0
			<b>CONCRETE CO. OF SPRINGFIELD</b>					<b>REPUBLIC</b>			
			LEAD COMPOUNDS	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>DAIRY FARMERS OF AMERICA, INC.</b>							<b>SPRINGFIELD</b>			
	NITRATE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,299.0
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,607.0
	<b>GE CONSUMER AND INDUSTRIAL</b>							<b>SPRINGFIELD</b>			
	CHROMIUM			0.5	0.0	0.0	0.0	0.6	25,316.0	0.0	0.0
	COPPER			267.7	0.0	0.0	2.0	3,468.0	117,545.0	0.0	0.0
	LEAD			6.7	0.0	0.0	1.0	31.0	1,711.0	0.0	0.0
	MANGANESE			36.0	0.0	0.0	12.0	245.0	319,624.0	0.0	0.0
	NICKEL			33.2	0.0	0.0	1.0	146.0	48,844.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	50.0	343.0	0.0	0.0	0.0
	<b>HILAND DAIRY FOODS CO.</b>							<b>SPRINGFIELD</b>			
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,230.0
	<b>INTERCONNECT TECHNOLOGIES DIV-LITTON SYSTEMS, INC.</b>							<b>SPRINGFIELD</b>			
	COPPER COMPOUNDS			0.0	0.0	0.0	250.0	0.0	35,287.0	0.0	0.0
	LEAD COMPOUNDS			4.0	0.0	2.9	64.0	0.0	10,866.0	0.0	0.0
	NITRIC ACID			5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>JAMES RIVER POWER STATION</b>							<b>SPRINGFIELD</b>			
	BARIUM COMPOUNDS			596.0	26,342.0	2,773.0	0.0	0.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			101,436.0	0.0	0.0	0.0	0.0	0.0	0.0	409,969.0
	HYDROGEN FLUORIDE			68,196.0	0.0	0.0	0.0	0.0	0.0	0.0	65,273.0
	LEAD COMPOUNDS			60.0	817.0	27.0	0.0	0.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			74.0	9.0	1.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			21,475.0	0.0	0.0	0.0	0.0	0.0	0.0	7,158.0
	<b>KERR MCGEE CHEMICAL, LLC</b>							<b>SPRINGFIELD</b>			
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	500.0	0.0
	<b>KERR MCGEE CHEMICAL, LLC</b>							<b>SPRINGFIELD</b>			
	CREOSOTE			3,200.0	0.0	0.0	0.0	0.0	370,000.0	4,800.0	0.0
	<b>KO MANUFACTURING, INC.</b>							<b>SPRINGFIELD</b>			
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROGEN FLUORIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>KRAFT FOODS GLOBAL, INC.</b>							<b>SPRINGFIELD</b>			

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,520.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,919.0
	<b>LOREN COOK - DALE ST. PLANT</b>							<b>SPRINGFIELD</b>			
			CHROMIUM	5.0	0.0	11.0	0.2	3.0	22,132.0	0.0	0.0
			COPPER	0.0	0.0	16.0	5.7	4.0	48,480.0	0.0	0.0
			LEAD	0.0	0.0	8.4	0.4	0.0	149.3	0.0	0.0
			MANGANESE	10.0	0.0	29.0	0.0	5.0	66,215.0	0.0	0.0
			NICKEL	2.0	0.0	8.0	0.2	3.0	27,306.0	0.0	0.0
	<b>LOREN COOK COMPNY - BARNES ST. PLANT</b>							<b>SPRINGFIELD</b>			
			CHROMIUM	0.0	0.0	12.0	0.2	5.0	37,838.0	0.0	0.0
			COPPER	0.0	0.0	37.0	1.2	7.0	27,665.0	0.0	0.0
			MANGANESE	22.0	0.0	440.0	0.0	10.0	42,204.0	0.0	0.0
			NICKEL	0.0	0.0	17.0	0.2	6.0	37,249.0	0.0	0.0
	<b>NORTHSTAR BATTERY CO., LLC</b>							<b>SPRINGFIELD</b>			
			LEAD COMPOUNDS	0.0	0.0	0.0	12.8	0.0	1,931,578.0	0.0	0.0
	<b>OZARKS CULTURED MARBLE</b>							<b>SPRINGFIELD</b>			
			STYRENE	11,548.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PAUL MUELLER CO.</b>							<b>SPRINGFIELD</b>			
			ALUMINUM (FUME OR DUST)	500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM	500.0	0.0	250.0	250.0	250.0	0.0	0.0	0.0
			COPPER	500.0	0.0	250.0	250.0	250.0	0.0	0.0	0.0
			MANGANESE	500.0	0.0	250.0	250.0	250.0	0.0	0.0	0.0
			NICKEL	500.0	0.0	250.0	250.0	250.0	0.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	12,650.0	0.0	0.0	0.0	0.0	0.0	11,025.0	5.0
	<b>PURE-FLO PRECISION</b>							<b>SPRINGFIELD</b>			
			CHROMIUM	5.0	5.0	5.0	5.0	817.0	60,173.0	0.0	0.0
			NICKEL	5.0	5.0	5.0	5.0	970.0	43,085.0	0.0	0.0
	<b>RIDEWELL CORP.</b>							<b>SPRINGFIELD</b>			
			TOLUENE	19,401.0	0.0	0.0	0.0	0.0	0.0	2,031.0	0.0
	<b>SAFETY-KLEEN SYSTEMS (619302)</b>							<b>SPRINGFIELD</b>			
			ETHYLENE GLYCOL	4.0	0.0	0.0	0.0	0.0	110,283.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			LEAD	0.0	0.0	0.0	0.0	0.0	1,045.0	0.0	0.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	2,698.0	0.0	0.0
	<b>SOUTHWEST POWER STATION</b>							<b>BROOKLINE STATION</b>			
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	24,336.0	0.0	0.0	0.0	0.0	0.0	0.0	97,345.0
			HYDROGEN FLUORIDE	49,838.0	0.0	0.0	0.0	0.0	0.0	0.0	49,838.0
			LEAD COMPOUNDS	38.0	1,105.0	1.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	75.0	30.0	0.1	0.0	0.0	0.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	3,607.0	0.0	0.0	0.0	0.0	0.0	0.0	1,203.0
	<b>STAINLESS FABRICATION, INC.</b>							<b>SPRINGFIELD</b>			
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SUPERIOR SOLVENTS &amp; CHEMICALS</b>							<b>SPRINGFIELD</b>			
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DICHLOROMETHANE	1,563.0	0.0	0.0	0.0	0.0	77.0	0.0	0.0
			METHANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-BUTYL ALCOHOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			STYRENE	250.0	0.0	0.0	0.0	250.0	0.0	1,550.0	0.0
			TETRACHLOROETHYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TRICHLOROETHYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>UNIVAR USA INC.</b>							<b>SPRINGFIELD</b>			
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WEBCO, INC.</b>							<b>SPRINGFIELD</b>			
			CHROMIUM	253.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	250.0	0.0	0.0	0.0	0.0	7,425.0	0.0	0.0
			TOLUENE	8,673.0	0.0	0.0	0.0	0.0	5,000.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
GRUNDY											
	MODINE MANUFACTURING CO.						TRENTON				
	COPPER			5.0	0.0	2.0	2.0	2,997.0	21,587.0	0.0	0.0
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD			10.0	0.0	33.0	4.0	1,726.0	76,226.0	0.0	0.0
	MANGANESE			5.0	0.0	0.0	0.0	0.0	6,974.0	0.0	0.0
HENRY											
	MONTROSE GENERATING STATION						CLINTON				
	BARIUM COMPOUNDS			23,000.0	310,000.0	1.7	0.0	0.0	0.0	0.0	0.0
	COPPER COMPOUNDS			430.0	12,000.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			97,000.0	0.0	0.0	0.0	0.0	0.0	0.0	320,000.0
	HYDROGEN FLUORIDE			41,000.0	0.0	0.0	0.0	0.0	0.0	0.0	27,000.0
	LEAD COMPOUNDS			300.0	1,900.0	0.0	0.0	33.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			1,000.0	18,000.0	0.0	0.0	0.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			125.2	29.3	0.0	0.0	1.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			12,005.0	0.0	0.0	0.0	0.0	0.0	0.0	15,000.0
	VANADIUM COMPOUNDS			1,000.0	16,000.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			1,300.0	15,000.0	0.0	0.0	0.0	0.0	0.0	0.0
	SHILOH LURE CO.						MONTROSE				
	LEAD			400.0	0.0	0.0	0.0	0.0	8,000.0	0.0	0.0
	TRACKER MARINE						CLINTON				
	METHYL ETHYL KETONE			665.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL METHACRYLATE			22,559.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	STYRENE			185,627.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HOLT											
	EXIDE TECHNOLOGIES-CANON HOLLOW PLANT						FOREST CITY				
	ANTIMONY COMPOUNDS			0.0	14,840.0	9.0	0.0	0.0	0.0	0.0	0.0
	ARSENIC COMPOUNDS			0.0	7,289.0	1.0	0.0	0.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			520.0	60,221.0	1.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
GOLDEN TRIANGLE ENERGY, LLC							CRAIG				
	AMMONIA			10.0	0.0	0.0	0.0	0.0	0.0	0.0	
	BENZENE			10.0	0.0	0.0	0.0	0.0	0.0	0.0	
	CYCLOHEXANE			255.0	0.0	0.0	0.0	0.0	0.0	0.0	
	N-HEXANE			500.0	0.0	0.0	0.0	0.0	0.0	0.0	
	TOLUENE			10.0	0.0	0.0	0.0	0.0	0.0	0.0	
HOWARD											
MONNIG IND., INC.							GLASGOW				
	AMMONIA			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	LEAD			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	SULFURIC ACID ("AEROSOLS" ONLY)			780.0	0.0	0.0	0.0	0.0	0.0	0.0	
	ZINC COMPOUNDS			1,695.0	0.0	0.0	0.0	0.0	248,054.0	0.0	
HOWELL											
BRUCE HARDWOOD FLOORING, LLC							WEST PLAINS				
	LEAD COMPOUNDS			9.2	0.0	0.0	0.0	449.8	0.0	0.0	
	METHYL ISOBUTYL KETONE			27,592.0	0.0	0.0	0.0	0.0	0.0	7,278.0	
	N-BUTYL ALCOHOL			12,389.0	0.0	0.0	0.0	0.0	0.0	1,485.0	
HIGH PERFORMANCE HOSE							POMONA				
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	5,500.0	12,500.0	0.0	
INVENSYS APPLIANCE CONTROLS							WEST PLAINS				
	COPPER			0.0	82,324.0	0.0	0.0	0.0	82,324.0	0.0	
	MERCURY			6.0	1.5	0.0	0.0	1.5	0.0	0.0	
MARATHON ELECTRIC							WEST PLAINS				
	COPPER			0.0	0.0	0.0	0.0	0.0	59,243.0	0.0	
	MANGANESE			0.0	0.0	0.0	0.0	0.0	2,926.0	0.0	
ROYAL OAK ENTERPRISES, INC.							WEST PLAINS				
	SODIUM NITRITE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
IRON											
BUICK MINE/MILL							BOSS				
	COBALT COMPOUNDS			255.0	275,522.0	0.0	0.0	0.0	0.0	0.0	



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			COPPER COMPOUNDS	2,686.0	2,633,579.0	500.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	42,801.0	7,085,920.0	1,141.0	0.0	0.0	0.0	0.0	0.0
			NICKEL COMPOUNDS	255.0	530,965.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	8,681.0	4,823,090.0	8,664.0	0.0	0.0	0.0	0.0	0.0
	<b>DOE RUN RECYCLING FACILITY</b>						<b>BOSS</b>				
			ANTIMONY COMPOUNDS	500.0	0.0	250.0	0.0	752,661.0	398.0	0.0	0.0
			ARSENIC COMPOUNDS	207.0	0.0	106.0	0.0	34,738.0	884.0	0.0	0.0
			CHLORINE	1,540.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM COMPOUNDS	1,540.0	0.0	0.0	0.0	85,778.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	16,440.0	0.0	65.0	0.0	4,388,593.0	28,724.0	0.0	0.0
	<b>ISP MINERALS, INC.</b>						<b>ANNAPOLIS</b>				
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER COMPOUNDS	25.3	0.0	5.0	0.0	3,935.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>THE DOE RUN CO. GLOVER SMELTER</b>						<b>GLOVER</b>				
			ALUMINUM (FUME OR DUST)	452.0	699,655.0	0.0	0.0	0.0	11,067,010.0	0.0	0.0
			ANTIMONY COMPOUNDS	15.0	4,888.0	2.0	0.0	0.0	191,513.0	0.0	0.0
			ARSENIC COMPOUNDS	12.0	2,161.0	2.0	0.0	0.0	94,614.0	0.0	0.0
			CADMIUM COMPOUNDS	928.0	3,003.0	1.0	0.0	1.0	6,174,113.0	0.0	0.0
			COBALT COMPOUNDS	39.0	55,375.0	1.0	0.0	0.0	917,382.0	0.0	0.0
			COPPER COMPOUNDS	361.0	65,987.0	2.0	0.0	0.0	3,123,413.0	0.0	0.0
			LEAD COMPOUNDS	28,616.0	700,043.0	6.0	0.0	192.0	119,928,513.0	0.0	0.0
			NICKEL COMPOUNDS	56.0	10,439.0	5.0	0.0	0.0	369,310.0	0.0	0.0
			SILVER COMPOUNDS	6.0	131.0	2.0	0.0	0.0	11,955.0	0.0	0.0
			ZINC COMPOUNDS	4,745.0	2,266,121.0	14.0	0.0	0.0	47,428,152.0	0.0	0.0
<b>JACKSON</b>											
	<b>AERO TRANSPORTATION PRODUCTS, INC.</b>						<b>INDEPENDENCE</b>				
			METHYL ETHYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			STYRENE	21,059.0	0.0	0.0	0.0	0.0	0.0	1,249.0	0.0
			TOLUENE	409.0	0.0	0.0	0.0	0.0	0.0	675.0	0.0
	<b>AMERICAN INGREDIENTS CO.</b>						<b>GRANDVIEW</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>AVENTIS</b>						<b>KANSAS CITY</b>				
			METHANOL	500.0	0.0	5.0	0.0	5.0	0.0	1,112.0	10,935.0
			POLYCYCLIC AROMATIC COMPOUNDS	32.3	0.2	0.4	0.0	0.2	0.0	0.1	0.0
	<b>BALL METAL BEVERAGE CONTAINER CORP.</b>						<b>KANSAS CITY</b>				
			CERTAIN GLYCOL ETHERS	41,000.0	0.0	0.0	0.0	1,100.0	0.0	0.0	93,900.0
			HYDROGEN FLUORIDE	103.0	0.0	0.0	0.0	0.0	0.0	0.0	25,081.0
			N-BUTYL ALCOHOL	18,000.0	0.0	0.0	0.0	443.0	0.0	0.0	67,800.0
			SULFURIC ACID ("AEROSOLS" ONLY)	67.0	0.0	0.0	0.0	0.0	0.0	0.0	260,881.0
	<b>BAYER CROPSCIENCE</b>						<b>KANSAS CITY</b>				
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			2,4-DICHLOROPHENOL	16.0	0.0	39.0	0.0	0.0	0.0	0.0	2,146.0
			AMMONIA	1,384.0	0.0	6,124.0	0.0	0.0	0.0	0.0	21,986.0
			BROMOMETHANE	3,089.0	0.0	0.0	0.0	0.0	0.0	0.0	75,502.0
			CARBARYL	0.0	0.0	20.0	0.0	0.0	0.0	0.0	4,014.0
			CARBON DISULFIDE	955.0	0.0	0.0	0.0	0.0	0.0	0.0	23,348.0
			CHLORINE	1,300.0	0.0	0.0	0.0	0.0	0.0	0.0	3,187.0
			CHLOROFORM	2,083.0	0.0	0.0	0.0	0.0	0.0	0.0	37,603.0
			CYFLUTHRIN	0.0	0.0	26.0	0.0	0.0	0.0	0.0	331.0
			ETHYLBENZENE	59.0	0.0	0.0	0.0	0.0	0.0	0.0	161,479.0
			FORMALDEHYDE	113.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
			HYDRAZINE	52.0	0.0	13.0	0.0	0.0	0.0	0.0	41,730.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	11,829.0	0.0	0.0	0.0	0.0	0.0	0.0	2,994,007.0
			MERPHOS	3.0	0.0	10.0	0.0	0.0	0.0	0.0	203.0
			METHANOL	360.0	0.0	0.0	0.0	1.0	0.0	0.0	1,888,270.0
			METHYL ISOBUTYL KETONE	862.0	0.0	0.0	0.0	0.0	16,437,676.0	0.0	1,013,343.0
			METRIBUZIN	13.0	0.0	44.0	0.0	10.0	0.0	0.0	11,509.0
			N-BUTYL ALCOHOL	364.0	0.0	0.0	0.0	0.0	545,801.0	0.0	279,659.0
			N-METHYL-2-PYRROLIDONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	598.0
			PROPICONAZOLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			S,S,S-TRIBUTYLTRITHIOPHOSPHATE	3.0	0.0	2.0	0.0	0.0	0.0	0.0	7,537.0
			TOLUENE	6,818.0	0.0	28.0	0.0	15.0	3,989,379.0	0.0	1,329,645.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			TRIADIMEFON	1.0	0.0	0.0	0.0	0.0	0.0	0.0	117.0
			TRICHLORFON	6.0	0.0	12.0	0.0	0.0	0.0	0.0	902.0
			VINYL CHLORIDE	100.0	0.0	0.0	0.0	0.0	0.0	0.0	18,806.0
			XYLENE (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	0.0	0.0	424,897.0
			<b>BP PRODUCTS NORTH AMERICA, INC.</b>					<b>SUGAR CREEK</b>			
			1,2,4-TRIMETHYLBENZENE	215.0	0.0	0.0	0.0	0.0	95.0	0.0	39.0
			BENZENE	421.0	0.0	0.0	0.0	0.0	59.0	0.0	1,485.0
			ETHYLBENZENE	86.0	0.0	0.0	0.0	0.0	26.0	0.0	72.0
			LEAD COMPOUNDS	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
			MERCURY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-HEXANE	395.0	0.0	0.0	0.0	0.0	47.0	0.0	1,984.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	969.0	0.0	0.0	0.0	0.0	279.0	0.0	1,955.0
			XYLENE (MIXED ISOMERS)	408.0	0.0	0.0	0.0	0.0	120.0	0.0	320.0
			<b>BRENNTAG MID-SOUTH, INC.</b>					<b>KANSAS CITY</b>			
			ATRAZINE	1,747.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHLORINE	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DI(2-ETHYLHEXYL) PHTHALATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DICHLOROMETHANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>CARGILL, INC.- SOYBEAN PROCESSING PLANT</b>					<b>KANSAS CITY</b>			
			N-HEXANE	189,000.0	0.0	0.0	0.0	250.0	0.0	0.0	8.5
			<b>CENTURY CONCRETE, INC.</b>					<b>LEE'S SUMMIT</b>			
			LEAD COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>CITY OF INDEPENDENCE</b>					<b>INDEPENDENCE</b>			
			BARIUM COMPOUNDS	1,126.0	31,043.0	0.0	2.0	0.0	0.0	0.0	0.0
			CHLORINE	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	131,865.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	71.4	11,365.0	0.0	2.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			MERCURY COMPOUNDS	14.2	26.0	0.0	0.1	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	1,581.0	43,765.0	0.0	133.0	0.0	0.0	0.0	0.0
	<b>CLAY &amp; BAILEY MFG.</b>						<b>KANSAS CITY</b>				
			ZINC (FUME OR DUST)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>COLT TECHNOLOGY, INC.</b>						<b>KANSAS CITY</b>				
			LEAD	0.0	0.0	0.0	9.0	20.0	387.0	0.0	0.0
	<b>COOK BROTHERS INSULATION, INC.</b>						<b>KANSAS CITY</b>				
			1,1-DICHLORO-1-FLUOROETHANE	2,978.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			1-CHLORO-1,1-DIFLUOROETHANE	1,816.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-HEXANE	970.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CURT BEAN LUMBER CO., INC.</b>						<b>BUCKNER</b>				
			ARSENIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FABTECH, INC.</b>						<b>LEES SUMMIT</b>				
			HYDROGEN FLUORIDE	269.8	0.0	0.0	0.0	0.0	0.0	0.0	38,277.0
			METHANOL	563.0	0.0	0.0	0.0	0.0	0.0	0.0	1,691.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17,428.0
			NITRIC ACID	425.0	0.0	0.0	0.0	0.0	0.0	0.0	70,463.0
	<b>FORDYCE CONCRETE CO., INC.</b>						<b>KANSAS CITY</b>				
			LEAD COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FORDYCE CONCRETE CO., INC.</b>						<b>KANSAS CITY</b>				
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>GENERAL MILLS OPERATIONS, INC.</b>						<b>KANSAS CITY</b>				
			BROMOMETHANE	12,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHLORINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>GETS GLOBAL SIGNALING</b>						<b>GRAIN VALLEY</b>				
			LEAD	0.0	0.0	1.7	0.0	4.0	80.0	0.0	0.0
	<b>HALLMARK CARDS, INC.</b>						<b>KANSAS CITY</b>				
			NICKEL COMPOUNDS	0.0	0.0	0.0	1.3	4.0	20,369.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34,805.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NITRIC ACID	22.0	0.0	0.0	0.0	807.0	0.0	0.0	35,228.0
	<b>HAVENS STEEL CO.</b>						<b>KANSAS CITY</b>				
			DIISOCYANATES	60.8	0.0	0.0	0.0	0.0	0.0	0.2	0.0
			ETHYLBENZENE	861.0	0.0	0.0	0.0	0.0	0.0	47.0	0.0
			METHANOL	41.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
			METHYL ETHYL KETONE	7,338.0	0.0	0.0	0.0	0.0	0.0	257.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	48.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
			TOLUENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	3,362.0	0.0	0.0	0.0	0.0	0.0	1,164.0	0.0
	<b>HAWTHORN GENERATING FACILITY</b>						<b>KANSAS CITY</b>				
			AMMONIA	4,500.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0
			BARIUM COMPOUNDS	1,900.0	18,000.0	0.6	0.0	0.0	0.0	0.0	0.0
			COPPER COMPOUNDS	190.0	700.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	33,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROGEN FLUORIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	80.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	320.0	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	16.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0
			VANADIUM COMPOUNDS	180.0	960.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	560.0	440.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>KANSAS CITY SCREW PRODUCTS, INC.</b>						<b>KANSAS CITY</b>				
			LEAD	0.1	0.0	0.0	0.0	0.0	127.0	0.0	0.0
	<b>LAFARGE NORTH AMERICA</b>						<b>SUGAR CREEK</b>				
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	23.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
	<b>LAFARGE NORTH AMERICA, INC.</b>						<b>BLUE SPRINGS</b>				
			LEAD COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>LAKE CITY ARMY AMMUNITION PLANT</b>							<b>INDEPENDENCE</b>			
	1,1,1-TRICHLOROETHANE			11,207.0	0.0	0.0	0.0	0.0	0.0	0.0	230.0
	ALUMINUM (FUME OR DUST)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ANTIMONY			0.0	0.0	0.0	175.0	400.0	0.0	0.0	0.0
	BARIUM COMPOUNDS			0.0	0.0	0.0	1.0	932.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			13,285.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER			0.0	119.0	30.0	1,450.0	1,727.0	0.0	0.0	0.0
	DIBUTYL PHTHALATE			0.0	0.0	0.0	0.0	0.0	6,635.0	0.0	216.0
	DIPHENYLAMINE			0.0	0.0	0.0	0.0	0.0	1,062.0	0.0	38.0
	LEAD COMPOUNDS			0.0	157.0	34.0	52.0	7,055.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			9.0	0.0	0.0	0.0	69.0	0.0	0.0	0.0
	NITRATE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	22,197.0
	NITRIC ACID			13.0	0.0	0.0	0.0	0.0	0.0	0.0	45,485.0
	NITROGLYCERIN			9.0	0.0	0.0	0.0	0.0	13,271.0	0.0	275.0
	TOLUENE			11,326.0	0.0	0.0	0.0	0.0	0.0	944.0	0.0
	ZINC COMPOUNDS			0.0	395.0	135.0	737.0	1,996.0	0.0	0.0	0.0
	<b>MARTIN FOUNDARY</b>							<b>KANSAS CITY</b>			
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MILLER MATERIAL CO.</b>							<b>KANSAS CITY</b>			
	LEAD			0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MISSION PLASTICS NORTH</b>							<b>GRANDVIEW</b>			
	DI(2-ETHYLHEXYL) PHTHALATE			0.0	750.0	0.0	0.0	769.0	23,062.0	0.0	0.0
	<b>MISSOURI MPP CORP.</b>							<b>KANSAS CITY</b>			
	SULFURIC ACID ("AEROSOLS" ONLY)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	25,967.0
	<b>MISSOURI PLATING CO.</b>							<b>KANSAS CITY</b>			
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	129.7	0.0	0.0	0.0
	NICKEL COMPOUNDS			149.0	0.0	0.0	384.0	1,757.0	0.0	0.0	0.0
	ZINC COMPOUNDS			274.0	0.0	0.0	609.0	14,116.0	0.0	0.0	0.0
	<b>MONIERLIFETILE, LLC</b>							<b>KANSAS CITY</b>			
	LEAD			0.5	1.0	0.0	0.0	0.1	0.0	0.0	0.0
	<b>MR. LONGARM, INC.</b>							<b>GREENWOOD</b>			
	STYRENE			3,713.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>NATIONAL ALUMINUM BRASS FOUNDRY, INC.</b>							<b>INDEPENDENCE</b>			
	COPPER			255.0	0.0	5.0	0.0	0.0	28,304.0	0.0	0.0
	<b>NATIONAL STARCH &amp; CHEMICAL CO.</b>							<b>NORTH KANSAS CITY</b>			
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NEW SURFACE, LLC</b>							<b>KANSAS CITY</b>			
	STYRENE			13,020.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NORTH AMERICAN GALVANIZING CO.</b>							<b>KANSAS CITY</b>			
	LEAD			10.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
	ZINC COMPOUNDS			919.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0
	<b>PAULO PRODUCTS CO.</b>							<b>KANSAS CITY</b>			
	AMMONIA			2,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PERFORMANCE ROOF SYSTEMS, INC.</b>							<b>KANSAS CITY</b>			
	BENZO(G,H,I)PERYLENE			0.1	0.0	0.0	0.0	0.0	0.0	0.0	53.0
	POLYCYCLIC AROMATIC COMPOUNDS			1.6	0.0	0.0	0.0	0.0	0.0	0.0	855.5
	<b>PERMACEL KANSAS CITY, INC.</b>							<b>KANSAS CITY</b>			
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	3,500.0	3,000.0	0.0	0.0
	<b>PETERSON MANUFACTURING CO.</b>							<b>GRANDVIEW</b>			
	LEAD			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ROBERTS DAIRY CO.</b>							<b>KANSAS CITY</b>			
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,971.0
	<b>ROTODYNE ROLL GROUP</b>							<b>KANSAS CITY</b>			
	DI(2-ETHYLHEXYL) PHTHALATE			161.0	0.0	0.0	0.0	11,700.0	0.0	0.0	1,238.0
	<b>SAFETY-KLEEN SYSTEMS (508502)</b>							<b>INDEPENDENCE</b>			
	ETHYLENE GLYCOL			6.0	0.0	0.0	0.0	0.0	211,897.0	0.0	0.0
	LEAD			0.0	0.0	0.0	0.0	0.0	1,830.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	4,737.0	0.0	0.0
	<b>SIBLEY GENERATING STATION</b>							<b>SIBLEY</b>			
	BARIUM COMPOUNDS			18,125.0	444,061.0	2,189.0	0.0	0.0	444,061.0	0.0	0.0
	CHLORINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS			454.0	10,250.0	0.0	0.0	0.0	10,250.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			COPPER COMPOUNDS	631.0	15,468.0	42.0	0.0	0.0	15,468.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	87,005.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROGEN FLUORIDE	129,824.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	309.0	8,054.0	56.0	0.0	0.0	8,054.0	0.0	0.0
			MANGANESE COMPOUNDS	1,471.0	21,444.0	1,952.0	0.0	0.0	21,444.0	0.0	0.0
			MERCURY COMPOUNDS	84.0	35.0	0.0	0.0	0.0	72.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	31,988.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			VANADIUM COMPOUNDS	1,145.0	28,043.0	0.0	0.0	0.0	28,043.0	0.0	0.0
			ZINC COMPOUNDS	7,076.0	173,353.0	535.0	0.0	0.0	173,353.0	0.0	0.0
	<b>SIKA</b>							<b>GRANDVIEW</b>			
			THIRAM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SUN CHEMICAL</b>							<b>KANSAS CITY</b>			
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
	<b>TENNECO AUTOMOTIVE</b>							<b>KANSAS CITY</b>			
			CHROMIUM	193.9	0.0	0.0	0.0	0.0	20,103.0	0.0	0.0
			COPPER	0.0	0.0	0.0	0.0	0.0	1,608.0	0.0	0.0
			MANGANESE	128.0	0.0	0.0	0.0	0.0	3,216.0	0.0	0.0
			NICKEL	68.1	0.0	0.0	0.0	0.0	3,216.0	0.0	0.0
	<b>TIFFANY MARBLE, INC.</b>							<b>LEE'S SUMMIT</b>			
			STYRENE	19,410.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>U. S. DOE KANSAS CITY PLANT</b>							<b>KANSAS CITY</b>			
			LEAD	1.2	0.0	0.0	3.7	3.4	1,591.9	0.0	0.0
	<b>U.S DOE KANSAS CITY PLANT - HONEYWELL FM&amp;T</b>							<b>KANSAS CITY</b>			
			LEAD	1.2	0.0	0.0	3.7	3.4	1,591.9	0.0	0.0
	<b>UNIVAR USA INC.</b>							<b>KANSAS CITY</b>			
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>VANCE BROTHERS, INC.</b>							<b>KANSAS CITY</b>			
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ANTHRACENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIBENZOFURAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			PHENANTHRENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WHEEL WELD IND.</b>						<b>KANSAS CITY</b>				
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	2,880.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	15,120.0	0.0	0.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	270,466.0	0.0	0.0
<b>JASPER</b>											
	<b>ABLE MANUFACTURING &amp; ASSEMBLY, LLC</b>						<b>JOPLIN</b>				
			STYRENE	72,955.0	0.0	0.0	0.0	216.0	0.0	12,020.0	0.0
			STYRENE	112,879.0	0.0	0.0	0.0	1,241.0	288.0	13,731.0	0.0
			TOLUENE	5,389.0	0.0	0.0	0.0	0.0	0.0	18,650.0	220.0
	<b>ADM MILLING CO., CARTHAGE FLOUR MILL</b>						<b>CARTHAGE</b>				
			CHLORINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ASBURY GENERATING STATION</b>						<b>ASBURY</b>				
			BARIUM COMPOUNDS	11,278.0	197,224.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	83,209.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROGEN FLUORIDE	69,404.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	5,824.0	4,359.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	33.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	23,185.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC (FUME OR DUST)	12,816.0	132,365.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CARDINAL SCALE MFG. CO.</b>						<b>WEBB CITY</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>DYNO NOBEL, INC. - CARTHAGE PLANT</b>						<b>CARTHAGE</b>				
			ALUMINUM (FUME OR DUST)	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			AMMONIA	18,556.0	0.0	1,676.0	0.0	720.0	0.0	0.0	3,180.0
			ETHYLENE GLYCOL	323.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NITRATE COMPOUNDS	982.0	0.0	3,852.0	0.0	2,480.0	0.0	0.0	3,015.0
			NITRIC ACID	333.0	0.0	0.0	0.0	0.0	864,704.0	0.0	250.0
			NITROGLYCERIN	0.0	0.0	0.0	0.0	0.0	2,901.0	0.0	61,450.0
			<b>EAGLE-PICHER TECHNOLOGIES, INC.</b>				<b>JOPLIN</b>				
			NICKEL COMPOUNDS	5.0	0.0	0.0	1.0	0.0	22,900.0	0.0	0.0
			NITRATE COMPOUNDS	5.0	0.0	0.0	0.0	0.0	0.0	0.0	15,600.0
			<b>EAGLE-PICHER TECHNOLOGIES, LLC</b>				<b>JOPLIN</b>				
			CHLORINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
			LEAD COMPOUNDS	210.0	0.0	5.0	3.0	66,200.0	164,000.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	330.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	2,800.0	0.0	0.0	0.0
			METHANOL	2,300.0	0.0	0.0	0.0	0.0	0.0	22,000.0	0.0
			NICKEL COMPOUNDS	5.0	0.0	3.0	1.0	466.0	14,300.0	0.0	0.0
			NITRATE COMPOUNDS	5.0	0.0	0.0	0.0	0.0	0.0	0.0	11,200.0
			PHTHALIC ANHYDRIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>EBV EXPLOSIVES ENVIRONMENTAL CO.</b>				<b>JOPLIN</b>				
			BARIUM COMPOUNDS	1.0	0.0	0.0	0.0	17,039.0	0.0	0.0	0.0
			LEAD COMPOUNDS	1.0	0.0	0.0	0.0	9,125.0	0.0	0.0	0.0
			<b>FAG BEARINGS CORP.</b>				<b>JOPLIN</b>				
			CHROMIUM	0.0	0.0	0.0	13.9	2,156.0	45,855.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	5.0	2,759.0	7,670.0	0.0	0.0
			METHANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	1.7	302.0	34,071.0	0.0	0.0
			<b>INTERNATIONAL PAPER</b>				<b>JOPLIN</b>				
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.0	0.0	0.5	0.0	0.0	0.0	501.3	149.9
			HEXACHLOROBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
			PENTACHLOROPHENOL	16.0	0.0	0.0	0.0	0.0	0.0	1,125.0	337.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.1
			<b>LEGGETT &amp; PLATT WIRE MILL BR. 0400</b>				<b>CARTHAGE</b>				
			LEAD	210.0	0.0	0.0	0.0	0.0	187,554.0	0.0	0.0
			ZINC COMPOUNDS	70.0	0.0	34.0	5.0	19,500.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>MID AMERICA PRECISION PRODUCTS, LLC</b>						<b>JOPLIN</b>				
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MODINE MANUFACTURING CO.</b>						<b>JOPLIN</b>				
	CHROMIUM			202.0	0.0	0.0	0.0	1.0	2,866.0	0.0	0.0
	COPPER			44.0	0.0	0.0	1.0	20.0	16,563.0	0.0	0.0
	MANGANESE			44.0	0.0	0.0	0.0	0.0	1,998.0	0.0	0.0
	NICKEL COMPOUNDS			383.0	0.0	0.0	0.0	2.0	130.0	0.0	0.0
	<b>OWENS CORNING VINYL OPERATIONS</b>						<b>JOPLIN</b>				
	ANTIMONY COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PCS PHOSPHATE</b>						<b>JOPLIN</b>				
	AMMONIA			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PECHINEY PLASTIC PACKAGING</b>						<b>JOPLIN</b>				
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PRECISION/MASTER MADE PAINT</b>						<b>CARL JUNCTION</b>				
	1,2,4-TRIMETHYLBENZENE			250.0	0.0	0.0	0.0	0.0	0.0	322.0	0.0
	ETHYLBENZENE			250.0	0.0	0.0	0.0	0.0	0.0	713.0	0.0
	XYLENE (MIXED ISOMERS)			250.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SPECIALTY BRANDS, INC.</b>						<b>CARTHAGE</b>				
	AMMONIA			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>TAMKO ROOFING PRODUCTS, INC.</b>						<b>JOPLIN</b>				
	BENZO(G,H,I)PERYLENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	BENZO(G,H,I)PERYLENE			4.0	0.0	0.0	0.0	437.0	0.0	0.0	0.0
	DI(2-ETHYLHEXYL) PHTHALATE			0.0	0.0	0.0	0.0	6,600.0	0.0	0.0	0.0
	FORMALDEHYDE			8,800.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			23.0	0.0	0.0	0.0	96.0	0.0	0.0	0.0
	<b>JEFFERSON</b>										

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
AMERENUE RUSH ISLAND POWER PLANT				FESTUS							
	BARIUM COMPOUNDS			5,116.0	704,932.0	24.0	0.0	0.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS			320.0	10,658.0	0.0	0.0	0.0	0.0	0.0	0.0
	COBALT COMPOUNDS			127.0	8,566.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER COMPOUNDS			348.0	20,750.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			129,324.0	0.0	0.0	0.0	0.0	0.0	0.0	517,296.0
	HYDROGEN FLUORIDE			206,063.0	0.0	0.0	0.0	0.0	0.0	0.0	206,063.0
	LEAD COMPOUNDS			197.3	5,942.2	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			675.0	34,534.0	0.0	0.0	0.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			505.3	36.1	0.0	0.0	1.6	0.0	0.0	0.0
	NICKEL COMPOUNDS			379.0	10,753.0	0.0	0.0	0.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			18,974.0	0.0	0.0	0.0	0.0	0.0	0.0	23,191.0
	VANADIUM COMPOUNDS			322.0	26,699.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			1,036.0	11,919.0	0.0	0.0	0.0	0.0	0.0	0.0
BROWNING				ARNOLD							
	LEAD COMPOUNDS			11.1	125.0	0.0	0.0	0.0	125.0	0.0	0.0
CARONDELET CORP.				PEVELY							
	1,2,4-TRIMETHYLBENZENE			20,358.0	0.0	0.0	0.0	2,039.0	0.0	0.0	0.0
	CHROMIUM			2,939.0	0.0	0.0	0.0	233,874.0	0.0	0.0	0.0
	COBALT			44.0	0.0	0.0	0.0	3,491.0	0.0	0.0	0.0
	COPPER			93.0	0.0	0.0	0.0	7,384.0	0.0	0.0	0.0
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL			1,946.0	0.0	0.0	0.0	154,841.0	0.0	0.0	0.0
	PHENOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TRIETHYLAMINE			5,452.0	0.0	0.0	0.0	0.0	14,930.0	0.0	20,382.0
DPC ENTERPRISES				FESTUS							
	CHLORINE			545.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROGEN FLUORIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENGINEERED COIL CO., DBA MARLO COIL				HIGH RIDGE							
	CHROMIUM			1.0	0.0	2.0	0.0	54.0	34,830.0	0.0	0.0
	COPPER			0.0	5.0	1.0	0.0	70.0	71,897.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			LEAD	0.0	0.0	9.0	0.0	1.0	1,850.0	0.0	0.0
			MANGANESE	1.0	4.0	4.0	0.0	6.0	8,909.0	0.0	0.0
			NICKEL	0.0	4.0	0.0	0.0	34.0	22,706.0	0.0	0.0
			<b>H-J ENTERPRISE, INC.</b>					<b>HIGH RIDGE</b>			
			COPPER	1,180.0	0.0	0.0	0.0	750.0	0.0	0.0	0.0
			LEAD	78.0	0.0	0.0	0.0	5,572.0	0.0	0.0	0.0
			<b>MASTERCHEM IND.</b>					<b>IMPERIAL</b>			
			3-IODO-2-PROPYNYL BUTYLCARBAMATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COBALT COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	19.0	0.0	0.0	0.0	0.0	0.0	663.0	0.0
			ZINC (FUME OR DUST)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>METAL CONTAINER CORP.</b>					<b>ARNOLD</b>			
			CERTAIN GLYCOL ETHERS	99,619.0	0.0	0.0	0.0	0.0	0.0	166.0	182,278.0
			FORMALDEHYDE	2,738.0	0.0	0.0	0.0	0.0	0.0	0.0	23,512.0
			HYDROGEN FLUORIDE	6.0	0.0	0.0	0.0	0.0	0.0	0.0	11,783.0
			MANGANESE	0.0	0.0	0.0	36.0	678.0	0.0	0.0	0.0
			N-BUTYL ALCOHOL	78,756.0	0.0	0.0	0.0	0.0	0.0	138.0	182,838.0
			<b>RIVER CEMENT CO.</b>					<b>FESTUS</b>			
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	155,511.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD	4,903.0	5,572.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	157.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	12.3	635.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	869.0	28,160.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>SAINT-GOBAIN CONTAINERS</b>					<b>PEVELY</b>			
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	388.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
			<b>SCORE</b>					<b>PEVELY</b>			
			CHROMIUM COMPOUNDS	18.0	0.0	0.0	0.0	0.0	56,448.0	0.0	0.0
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	TRIETHYLAMINE			4,290.0	0.0	0.0	0.0	0.0	10,010.0	0.0	0.0
	<b>SINCLAIR &amp; RUSH, INC.</b>						<b>ARNOLD</b>				
	BARIUM			0.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	LEAD			0.0	0.0	0.0	0.0	31.9	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	<b>THE DOE RUN CO. HERCULANEUM SMELTER</b>						<b>HERCULANEUM</b>				
	ALUMINUM (FUME OR DUST)			105.0	1,725,438.0	0.0	0.0	0.0	1,133,467.0	0.0	0.0
	ANTIMONY COMPOUNDS			183.0	553.0	5.0	0.0	0.0	7,816.0	0.0	0.0
	ARSENIC COMPOUNDS			233.0	1,384.0	6.0	14.0	0.0	23,811.0	0.0	0.0
	CADMIUM COMPOUNDS			944.0	3,459.0	12.0	49.0	0.0	257,700.0	0.0	0.0
	COBALT COMPOUNDS			46.0	83,023.0	5.0	0.0	0.0	66,761.0	0.0	0.0
	COPPER COMPOUNDS			753.0	175,732.0	1.0	42.0	526.0	356,203.0	0.0	0.0
	LEAD COMPOUNDS			50,227.0	1,117,354.0	35.0	983.0	13,830.0	9,677,524.0	0.0	0.0
	NICKEL COMPOUNDS			171.0	16,605.0	5.0	1.0	0.0	29,711.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			522.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			4,704.0	5,085,171.0	171.0	141.0	4,881.0	4,598,083.0	0.0	0.0
	<b>THE DOW CHEMICAL CO.</b>						<b>PEVELY</b>				
	1-CHLORO-1,1-DIFLUOROETHANE			1,117,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CHLORODIFLUOROMETHANE			173,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CUMENE			1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLBENZENE			216.0	0.0	0.0	0.0	0.0	0.0	630.0	0.0
	STYRENE			4,000.0	0.0	0.0	0.0	0.0	0.0	2,000.0	0.0
<b>JOHNSON</b>											
	<b>ENERSYS ENERGY PROD., INC. (formerly HAWKER ENERGY)</b>						<b>WARRENSBURG</b>				
	LEAD COMPOUNDS			3,600.0	0.0	0.0	0.1	0.0	12,377,388.7	0.0	0.0
	<b>GETS GLOBAL SIGNALING</b>						<b>WARRENSBURG</b>				
	DIISOCYANATES			0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
	LEAD COMPOUNDS			0.2	0.0	1.4	0.3	1,148.7	61.0	0.0	0.0
	<b>THYSSENKRUPP STAHL CO.</b>						<b>WARRENSBURG</b>				
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NICKEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>LACLEDE</b>											
			<b>COPELAND CORP.</b>					<b>LEBANON</b>			
			LEAD	0.0	0.0	0.0	0.0	0.0	65.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	2,251.0	2,400.0	0.0	0.0	0.0
			<b>DETROIT TOOL ENGINEERING</b>					<b>LEBANON</b>			
			MANGANESE	250.0	0.0	0.0	0.0	250.0	3,848.0	0.0	0.0
			<b>DETROIT TOOL METAL PRODUCTS</b>					<b>LEBANON</b>			
			CHROMIUM	339.0	0.0	0.0	5.0	0.0	73,542.0	0.0	0.0
			MANGANESE	257.0	0.0	0.0	5.0	0.0	85,924.0	0.0	0.0
			NICKEL	413.0	0.0	0.0	5.0	0.0	106,549.0	0.0	0.0
			PROPYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>LOWE BOATS</b>					<b>LEBANON</b>			
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	60,766.0	0.0	0.0	0.0	0.0	0.0	11,078.0	0.0
			XYLENE (MIXED ISOMERS)	89,315.0	0.0	0.0	0.0	0.0	0.0	5,539.0	0.0
			<b>MARATHON ELECTRIC</b>					<b>LEBANON</b>			
			COPPER	250.0	0.0	0.0	0.0	750.0	137,490.0	0.0	0.0
<b>LAFAYETTE</b>											
			<b>ADM ALLIANCE NUTRION, INC.</b>					<b>HIGGINSVILLE</b>			
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>KITCO, INC.</b>					<b>ODESSA</b>			
			STYRENE	9,606.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>LAWRENCE</b>											
			<b>BCP INGREDIENTS, INC.</b>					<b>VERONA</b>			
			2-METHOXYETHANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHLOROACETIC ACID	0.0	0.0	0.0	0.0	0.0	30,110.0	0.0	0.0
			CHLOROMETHANE	600.0	0.0	0.0	0.0	0.0	2,980.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220.0
			ETHYLENE OXIDE	2,809.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
			METHANOL	156,202.0	0.0	0.0	0.0	0.0	1,941,604.0	0.0	2,091.0
	<b>CONOCOPHILLIPS - PRODUCTS TERMINAL</b>							<b>MT. VERNON</b>			
			1,2,4-TRIMETHYLBENZENE	255.0	0.0	0.0	0.0	0.0	1.0	0.0	240.0
			BENZENE	500.0	0.0	0.0	0.0	0.0	6.0	0.0	9,300.0
			BENZO(G,H,I)PERYLENE	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
			CERTAIN GLYCOL ETHERS	0.0	5.0	0.0	0.0	250.0	0.0	0.0	0.0
			CYCLOHEXANE	500.0	0.0	0.0	0.0	0.0	3.0	0.0	9,100.0
			ETHYLBENZENE	500.0	0.0	0.0	0.0	0.0	1.0	0.0	820.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
			N-HEXANE	500.0	0.0	0.0	0.0	0.0	2.4	0.0	9,400.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
			PROPYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	580.0
			TOLUENE	500.0	0.0	0.0	0.0	0.0	110.0	0.0	11,100.0
			XYLENE (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	7.0	0.0	2,900.0
	<b>POSITRONIC IND., INC.</b>							<b>MT. VERNON</b>			
			LEAD	0.5	0.0	0.0	0.0	0.0	367.0	0.0	0.0
	<b>SILGAN CONTAINERS MFG. CORP.</b>							<b>MOUNT VERNON</b>			
			CERTAIN GLYCOL ETHERS	32,211.0	0.0	0.0	0.0	0.0	0.0	5,498.0	0.0
	<b>TYSON FOODS, INC. - AURORA FEEDMILL</b>							<b>AURORA</b>			
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>LINCOLN</b>											
	<b>BODINE ALUMINUM, INC.</b>							<b>TROY</b>			
			COPPER	0.0	0.0	0.0	4,865.0	0.0	762,485.0	0.0	0.0
			PHENOL	37,240.0	0.0	0.0	0.0	0.0	0.0	0.0	57,274.0
			SULFURIC ACID ("AEROSOLS" ONLY)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	292,550.0
	<b>IEPPERT MACHINE TOOL &amp; SCREW PRODUCTS, INC.</b>							<b>MOSCOW MILLS</b>			
			COPPER	0.0	0.0	0.0	0.0	0.0	40,140.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	1,110.0	0.0	0.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
MOST, INC.							TROY				
	CHLORINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER COMPOUNDS			0.0	0.0	0.0	0.0	0.0	607,923.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	0.0	7,564.0	0.0	0.0
LIVINGSTON											
CHILLICOTHE MUNICIPAL UTILITIES							CHILLICOTHE				
	CHLORINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DONALDSON CO., INC.							CHILLICOTHE				
	LEAD			20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			10,160.0	0.0	0.0	0.0	0.0	0.0	200.0	0.0
GLEN-GERY CORP.							UTICA				
	BARIUM COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUDSON VALLEY POLYMERS							CHILLICOTHE				
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	943.0	4,827.0	0.0	0.0
WIRE ROPE CORP. OF AMERICA, INC.							CHILLICOTHE				
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			3,325.0	0.0	0.0	0.0	0.0	0.0	0.0	142,794.0
	LEAD			0.0	0.0	0.0	1.8	0.0	70.3	0.0	0.0
	ZINC COMPOUNDS			5.0	0.0	0.0	8.1	0.0	79,672.0	0.0	0.0
MACON											
CONAGRA FROZEN FOODS							MACON				
	AMMONIA			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NORTHEAST MISSOURI GRAIN, LLC							MACON				
	AMMONIA			255.0	0.0	250.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MARIES											
KINGSFORD MANUFACTURING CO.							BELLE				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			LEAD COMPOUNDS	16.8	0.0	0.1	0.0	0.0	120.4	0.0	0.0
			METHANOL	579.0	0.0	0.0	0.0	0.0	0.0	3,171,266.0	0.0
			NITRATE COMPOUNDS	0.0	504.0	207.0	0.0	0.0	0.0	0.0	40,894.0

## MARION

### BASF CORP. - HANNIBAL PLANT

### PALMYRA

1,2,4-TRIMETHYLBENZENE	255.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
1,2-DICHLOROETHANE	15,700.0	5.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0	1,100,110.0
ACETONITRILE	500.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	57,000.0
ACRYLONITRILE	255.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0
AMMONIA	1,430.0	1,605.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	510,000.0
BROMINE	500.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	360.0
CHLORINE	10.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0
CHLOROBENZENE	500.0	5.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	270,490.0
CHLOROETHANE	500.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	6,800.0
COPPER COMPOUNDS	10.0	10.0	5.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0
CYANIDE COMPOUNDS	20.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	69,000.0
DICHLOROMETHANE	17,160.0	5.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	310,000.0
DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FORMALDEHYDE	255.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	40,000.0
HYDROCHLORIC ACID ("AEROSOLS" ONLY)	48,250.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	890,000.0
LEAD COMPOUNDS	25.1	3.1	30.0	0.0	1,500.0	0.0	0.0	0.0	0.0	0.0
METHANOL	5,960.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2,000,000.0
METHYL ISOBUTYL KETONE	6,750.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	120,000.0
N,N-DIMETHYLFORMAMIDE	255.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	44,000.0
N-METHYL-2-PYRROLIDONE	255.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	57,000.0
NAPHTHALENE	500.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2,700.0
NITRATE COMPOUNDS	5.0	255.0	77,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NITRIC ACID	4,750.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	7,400.0
O-XYLENE	8,200.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	330,000.0
PENDIMETHALIN	20.0	1.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	280,130.0
SULFURIC ACID ("AEROSOLS" ONLY)	47,250.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOLUENE	33,800.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	1,160,000.0
TRIETHYLAMINE	500.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	120,000.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			TRIFLURALIN	0.0	0.0	0.1	0.0	0.0	0.0	0.0	700.0
<b>MCDONALD</b>											
			<b>SIMMONS SOUTHWEST CITY</b>					<b>SOUTHWEST CITY</b>			
			AMMONIA	20,828.0	0.0	1,303.0	0.0	750.0	0.0	0.0	119,524.0
			CHLORINE	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	87,032.0	0.0	5.0	0.0	0.0	4,194,257.0
			<b>TYSON FOODS, INC.</b>					<b>NOEL</b>			
			CHLORINE DIOXIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>MERCER</b>											
			<b>PREMIUM STANDARD FARMS-PRINCETON FEEDMILL</b>					<b>PRINCETON</b>			
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			SELENIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>MILLER</b>											
			<b>FASCO</b>					<b>ELDON</b>			
			COPPER	0.0	0.0	0.0	0.0	243.3	28,862.8	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	142.0	3,525.6	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	160.9	3,995.7	0.0	0.0
			XYLENE (MIXED ISOMERS)	1,618.0	0.0	0.0	0.0	0.0	10,203.2	0.0	0.0
<b>MISSISSIPPI</b>											
			<b>GATES CORP.</b>					<b>CHARLESTON</b>			
			ANTIMONY COMPOUNDS	0.0	0.0	0.0	0.0	1,584.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	477.0	0.0	0.0	0.0	4,089.0	0.0	0.0	0.0
			DIBUTYL PHTHALATE	0.0	0.0	0.0	0.0	2,663.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	18.0	23,706.0	0.0	0.0	0.0
<b>MONITEAU</b>											
			<b>CARGILL TURKEY PRODUCTION, LLC</b>					<b>CALIFORNIA</b>			
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NORDYNE, INC.</b>						<b>TIPTON</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	200.0	0.0	0.0
<b>MONROE</b>											
	<b>DIVERSIFIED DIEMAKERS (DBA INTERMET)</b>						<b>MONROE CITY</b>				
			COPPER	27.0	0.0	0.0	0.8	55.0	16,548.0	0.0	0.0
			LEAD	0.4	0.0	0.0	0.8	1.9	193.8	0.0	0.0
	<b>PACE IND., INC.</b>						<b>MONROE CITY</b>				
			COPPER	0.0	0.0	2.0	0.0	0.0	40,777.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	1,133.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	5,664.0	0.0	0.0
<b>MONTGOMERY</b>											
	<b>CARGILL, INC.</b>						<b>MONTGOMERY CITY</b>				
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CHRISTY MINERALS, LLC</b>						<b>HIGH HILL</b>				
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	1,000.0	0.0	0.0	0.0
	<b>PURINA MILLS, LLC</b>						<b>MONTGOMERY CITY</b>				
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>UNIQUE AUTOMOTIVE REBUILDERS, INC.</b>						<b>JONESBURG</b>				
			TRICHLOROETHYLENE	1,706.0	0.0	0.0	0.0	0.0	0.0	0.0	1,320.0
<b>MORGAN</b>											
	<b>GATES CORP.</b>						<b>VERSAILLES</b>				
			LEAD	0.0	0.0	0.0	0.0	7.0	5.0	0.0	0.0
			ZINC COMPOUNDS	0.0	0.0	0.0	23.0	15,282.0	0.0	0.0	0.0
<b>NEW MADRID</b>											
	<b>ALAN WIRE CO., INC.</b>						<b>SIKESTON</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	1,833,791.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
NEW MADRID POWER PLANT				MARSTON							
	AMMONIA			29,705.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	BARIUM COMPOUNDS			13,670.0	704,600.0	4,800.0	0.0	5.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS			635.0	12,300.0	5.0	0.0	5.0	0.0	0.0	0.0
	COPPER COMPOUNDS			630.0	36,450.0	10.0	0.0	5.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			33,900.0	0.0	0.0	0.0	0.0	0.0	0.0	125,400.0
	HYDROGEN FLUORIDE			230,000.0	0.0	0.0	0.0	0.0	0.0	0.0	200,000.0
	LEAD COMPOUNDS			400.0	10,000.0	16.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			1,005.0	30,000.0	615.0	0.0	5.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			220.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VANADIUM COMPOUNDS			800.0	40,000.0	0.0	0.0	5.0	0.0	0.0	0.0
	ZINC COMPOUNDS			1,850.0	20,500.0	740.0	0.0	5.0	0.0	0.0	0.0
NORANDA ALUMINUM, INC.				NEW MADRID							
	BENZO(G,H,I)PERYLENE			53.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER			0.0	0.0	0.0	0.0	160.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	2,062.0	0.0	0.0
	HYDROGEN FLUORIDE			253,133.0	0.0	0.0	0.0	0.0	6,122,450.0	0.0	0.0
	LEAD			0.0	0.0	0.0	0.0	78.0	0.0	0.0	0.0
	MANGANESE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			4,294.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLASTENE SUPPLY CO.				PORTAGEVILLE							
	CHROMIUM COMPOUNDS			10.0	0.0	32.0	0.0	35,700.0	450,000.0	0.0	0.0
	COPPER COMPOUNDS			10.0	0.0	63.0	0.0	41,000.0	0.0	0.0	0.0
	FORMALDEHYDE			1,000.0	0.0	250.0	0.0	0.0	0.0	0.0	2,500.0
	LEAD COMPOUNDS			0.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			101,154.0	0.0	0.0	0.0	0.0	0.0	17,180.0	0.0
	METHYL ISOBUTYL KETONE			1,240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL COMPOUNDS			255.0	0.0	176.0	0.0	39,217.0	0.0	0.0	0.0
	NITRATE COMPOUNDS			0.0	0.0	12,413.0	0.0	0.0	0.0	0.0	45,000.0
	NITRIC ACID			500.0	0.0	0.0	0.0	0.0	0.0	0.0	45,000.0
	TOLUENE			6,025.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## NEWTON

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>BASF CORP. - NEOSHO</b>							<b>NEOSHO</b>			
	COBALT COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>HOWARD JOHNSON'S ENTERPRISES, INC.</b>							<b>NEOSHO</b>			
	TRIFLURALIN			5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>LA-Z-BOY MIDWEST</b>							<b>NEOSHO</b>			
	CERTAIN GLYCOL ETHERS			10,708.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NUTRA BLEND CORP.</b>							<b>NEOSHO</b>			
	COPPER COMPOUNDS			255.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			250.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	SELENIUM COMPOUNDS			250.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	ZINC COMPOUNDS			250.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	<b>PREMIER TURBINES</b>							<b>NEOSHO</b>			
	LEAD COMPOUNDS			0.3	0.0	0.0	0.8	3.3	0.0	0.0	0.0
	<b>TALBOT IND., INC.</b>							<b>NEOSHO</b>			
	LEAD			0.0	0.0	0.0	2.6	0.0	520.8	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			67,089.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>THE MILNOT CO.</b>							<b>SENECA</b>			
	NITRATE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	28,900.0
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	25,000.0
	<b>NODAWAY</b>										
	<b>ENERGIZER BATTERY MANUFACTURING, INC.</b>							<b>MARYVILLE</b>			
	COPPER			5.0	0.0	0.0	62.0	0.0	33,711.0	0.0	0.0
	MANGANESE COMPOUNDS			350.0	0.0	0.0	37.0	301,205.2	47,824.0	0.0	0.0
	ZINC COMPOUNDS			2.0	0.0	0.0	29.9	86,244.7	73,043.0	0.0	0.0
	<b>KAWASAKI MOTORS MANUFACTURING CORP.</b>							<b>MARYVILLE</b>			
	COPPER			314.0	0.0	0.0	1.0	0.0	35,325.0	0.0	0.0
	LEAD			57.6	0.0	0.0	0.0	0.0	432.4	0.0	0.0
	NICKEL			0.0	0.0	0.0	5.0	0.0	18,273.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>LMP STEEL &amp; WIRE CO.</b>							<b>MARYVILLE</b>			
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	0.0	571.1	0.0	0.0
<b>OSAGE</b>											
	<b>CHAMMOIS POWER PLANT</b>							<b>CHAMMOIS</b>			
	BARIUM COMPOUNDS			1,210.0	0.0	250.0	0.0	5.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			86,761.0	0.0	0.0	0.0	0.0	0.0	0.0	6,700.0
	HYDROGEN FLUORIDE			18,500.0	0.0	0.0	0.0	0.0	0.0	0.0	13,000.0
	LEAD COMPOUNDS			66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			20,337.0	0.0	0.0	0.0	0.0	0.0	0.0	58,389.0
	<b>QUAKER WINDOW PRODUCTS CO.</b>							<b>FREEBURG</b>			
	COPPER			24.0	0.0	0.0	0.0	0.0	650.0	0.0	0.0
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	PROPYLENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			11,560.0	0.0	0.0	0.0	0.0	8,700.0	0.0	0.0
<b>PEMISCOT</b>											
	<b>LOXCREEN CO., INC.</b>							<b>HAYTI</b>			
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			1.1	0.0	0.3	0.9	25.1	78.8	0.0	0.0
	XYLENE (MIXED ISOMERS)			4,984.0	0.0	0.0	0.0	0.0	10,810.0	8,339.0	0.0
	<b>TRINITY MARINE PRODUCTS, INC.</b>							<b>CARUTHERSVILLE</b>			
	CHROMIUM			255.0	0.0	5.0	0.0	0.0	3,876.0	0.0	0.0
	COPPER			255.0	0.0	5.0	0.0	0.0	1,348.0	0.0	0.0
	LEAD			0.1	0.0	2.6	0.0	0.0	1.4	0.0	0.0
	MANGANESE COMPOUNDS			1,198.0	0.0	5.0	0.0	24,618.0	8,796.0	0.0	0.0
	NICKEL			255.0	0.0	5.0	0.0	0.0	2,802.0	0.0	0.0
	STYRENE			204,979.0	0.0	0.0	0.0	0.0	0.0	0.0	25,168.0
	XYLENE (MIXED ISOMERS)			19,622.0	0.0	0.0	0.0	0.0	0.0	1,263.0	0.0
	ZINC (FUME OR DUST)			750.0	0.0	0.0	0.0	34,239.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
PERRY											
	H&G MARINE SERVICE, INC.						PERRYVILLE				
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TG MISSOURI											
							PERRYVILLE				
	ETHYLBENZENE			11,743.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			54,685.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ISOBUTYL KETONE			17,807.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			106,345.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			28,811.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PETTIS											
	ADCO, INC.						SEDALIA				
	1,2,4-TRIMETHYLBENZENE			387.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TETRACHLOROETHYLENE			473.0	0.0	0.0	0.0	0.0	0.0	0.0	9,739.0
	TRICHLOROETHYLENE			765.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ALCAN CABLE						SEDALIA				
	ACETOPHENONE			542.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD			430.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			222.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			571.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ISOBUTYL KETONE			11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			7,001.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CARGILL, INC.						SMITHTON				
	COPPER COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	GARDNER DENVER, INC.						SEDALIA				
	NICKEL			0.0	0.0	0.0	19.0	61.0	10,374.0	0.0	0.0
	HAYES LEMMERZ INTERNATIONAL, INC.						SEDALIA				
	MANGANESE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	600,000.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	61,351.0	62,190.0	0.0	0.0	0.0
	MISSOURI PRESSED METALS, INC.						SEDALIA				



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TRICHLOROETHYLENE			87,794.0	0.0	0.0	0.0	0.0	0.0	0.0	916.0
	<b>PITTSBURG CORNING</b>							<b>SEDALIA</b>			
	LEAD COMPOUNDS			0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
	MANGANESE COMPOUNDS			104.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0
	<b>SIERRA BULLETS, LLC</b>							<b>SEDALIA</b>			
	ANTIMONY			0.0	0.0	1.3	0.0	1.6	6,961.0	0.0	0.0
	COPPER			0.0	0.0	5.0	4.8	250.0	299,274.0	0.0	0.0
	LEAD			0.0	0.0	0.7	0.5	63.1	277,272.0	0.0	0.0
	<b>STARLINE, INC.</b>							<b>SEDALIA</b>			
	COPPER			0.0	0.0	0.0	5.0	541.4	146,340.0	0.0	0.0
	DIETHANOLAMINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.0
	<b>TYSON FOODS, INC.</b>							<b>SEDALIA</b>			
	AMMONIA			4,214.0	846.0	542.0	0.0	1,228.0	0.0	0.0	33,148.0
	NITRATE COMPOUNDS			0.0	0.01,564,607.0		0.0	0.0	0.0	0.0	531,482.0
	<b>TYSON FOODS, INC. - SEDALIA FEEDMILL</b>							<b>SEDALIA</b>			
	COPPER COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WATERLOO IND., INC.</b>							<b>SEDALIA</b>			
	ISOPROPYL ALCOHOL (MFG STRONG-ACID PROCESS)			16,144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			3,006.0	0.0	0.0	0.0	0.0	0.0	10,950.0	0.0
	XYLENE (MIXED ISOMERS)			24,344.0	0.0	0.0	0.0	0.0	0.0	713.0	0.0
	<b>WIRE ROPE CORP. OF AMERICA, INC.</b>							<b>SEDALIA</b>			
	BARIUM COMPOUNDS			250.0	0.0	0.0	0.0	0.0	0.0	0.0	634.0
	LEAD			0.0	0.0	0.0	0.0	0.0	44.4	0.0	0.0
	<b>PHELPS</b>										
	<b>BREWER SCIENCE, INC.</b>							<b>ROLLA</b>			
	N-METHYL-2-PYRROLIDONE			34.0	0.0	0.0	0.0	0.0	0.0	10,073.0	0.0
	<b>BRIGGS AND STRATTON CORP.</b>							<b>ROLLA</b>			
	COPPER			5.3	0.0	0.0	0.3	1,321.0	132,002.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	LEAD			0.0	0.0	0.0	2.5	10.6	6,229.0	0.0	0.0
	TOLUENE			2,675.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0

## PIKE

### DYNO NOBEL, INC.--LOMO PLANT

AMMONIA	124,800.0	0.0	7,300.0	0.0	0.0	32,000.0	0.0	0.0
NITRATE COMPOUNDS	0.0	0.0	555,000.0	0.0	0.0	36,000,000.0	0.0	67,000.0
NITRIC ACID	7,800.0	0.0	0.0	0.0	0.0	243,000.0	0.0	220,000.0

### LOUISIANA

### HOLCIM (US), INC. - CLARKSVILLE PLANT

1,3-BUTADIENE	51,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ACETONITRILE	10.0	0.0	0.0	0.0	0.0	0.0	962,400.0	0.0
AMMONIA	150,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BARIUM COMPOUNDS	255.0	13,000.0	0.0	0.0	0.0	90.0	0.0	0.0
BENZENE	150,005.0	0.0	0.0	0.0	0.0	0.0	77,190.0	0.0
CERTAIN GLYCOL ETHERS	10.0	0.0	0.0	0.0	0.0	0.0	110,210.0	0.0
CHLOROBENZENE	255.0	0.0	0.0	0.0	0.0	0.0	130,320.0	0.0
CHROMIUM COMPOUNDS	250.0	5,300.0	0.0	0.0	0.0	7,200.0	0.0	0.0
CYCLOHEXANE	5.0	0.0	0.0	0.0	0.0	0.0	160,400.0	0.0
CYCLOHEXANOL	0.0	0.0	0.0	0.0	0.0	0.0	13,032.0	0.0
DICHLOROMETHANE	500.0	0.0	0.0	0.0	0.0	0.0	2,907,100.0	0.0
DIOXIN AND DIOXIN-LIKE COMPOUNDS	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ETHYLBENZENE	13,250.0	0.0	0.0	0.0	0.0	0.0	2,205,400.0	0.0
HYDROCHLORIC ACID ("AEROSOLS" ONLY)	510,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD COMPOUNDS	533.4	19,900.0	0.0	0.0	0.0	0.0	0.0	0.0
MANGANESE COMPOUNDS	3,305.0	160,000.0	0.0	0.0	0.0	3,000.0	0.0	0.0
MERCURY COMPOUNDS	209.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
METHANOL	255.0	0.0	0.0	0.0	0.0	0.0	1,403,500.0	0.0
METHYL ACRYLATE	0.0	0.0	0.0	0.0	0.0	0.0	21,051.0	0.0
METHYL ETHYL KETONE	2,450.0	0.0	0.0	0.0	0.0	0.0	4,009,800.0	0.0
METHYL ISOBUTYL KETONE	255.0	0.0	0.0	0.0	0.0	0.0	1,303,200.0	0.0
METHYL METHACRYLATE	255.0	0.0	0.0	0.0	0.0	0.0	240,580.0	0.0
METHYL TERT-BUTYL ETHER	255.0	0.0	0.0	0.0	0.0	0.0	912,200.0	0.0
N-BUTYL ALCOHOL	10.0	0.0	0.0	0.0	0.0	0.0	611,500.0	0.0
NAPHTHALENE	33,005.0	0.0	0.0	0.0	0.0	0.0	120,300.0	0.0

### CLARKSVILLE

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NICKEL COMPOUNDS	250.0	7,300.0	0.0	0.0	0.0	1,500.0	0.0	0.0
			PHENOL	7,600.0	0.0	0.0	0.0	0.0	0.0	64,160.0	0.0
			POLYCYCLIC AROMATIC COMPOUNDS	860.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			SEC-BUTYL ALCOHOL	0.0	0.0	0.0	0.0	0.0	0.0	19,047.0	0.0
			STYRENE	18,005.0	0.0	0.0	0.0	0.0	0.0	300,740.0	0.0
			TETRACHLOROETHYLENE	250.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	44,250.0	0.0	0.0	0.0	0.0	0.0	13,031,000.0	0.0
			TRICHLOROETHYLENE	250.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			VINYL ACETATE	500.0	0.0	0.0	0.0	0.0	0.0	2,907,200.0	0.0
			XYLENE (MIXED ISOMERS)	18,250.0	0.0	0.0	0.0	0.0	0.0	8,922,000.0	0.0
			ZINC COMPOUNDS	755.0	350,000.0	0.0	0.0	0.0	420.0	0.0	0.0
	<b>LOUISIANA MFG. CO.</b>							<b>LOUISIANA</b>			
			LEAD	0.9	0.0	0.0	0.0	0.0	23.0	0.0	0.0
	<b>MISSOURI CHEMICAL WORKS</b>							<b>LOUISIANA</b>			
			ACETALDEHYDE	250.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0
			CHLORINE	240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			FORMALDEHYDE	22,000.0	0.0	0.0	0.0	0.0	0.0	79,000.0	941,500.0
			FORMIC ACID	5,520.0	0.0	0.0	0.0	0.0	0.0	2,800.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	94,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	50.0	1,100.0	0.0	0.0	0.0	37,000.0	0.0	0.0
			MERCURY COMPOUNDS	10.0	5.0	0.0	0.0	0.0	180.0	0.0	0.0
			METHANOL	96,000.0	0.0	0.0	0.0	0.0	0.0	220,000.0	580,000.0
<b>PLATTE</b>											
	<b>ALLIED AVIATION SERVICE CO., INC.- KCI AIRPORT</b>							<b>KANSAS CITY</b>			
			1,2,4-TRIMETHYLBENZENE	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			BENZENE	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL TERT-BUTYL ETHER	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	12.0	0.0	0.0	0.0	0.0	0.0	0.0	151.0
			TOLUENE	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CENTURY CONCRETE, INC.</b>							<b>KANSAS CITY</b>			

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>HARLEY DAVIDSON MOTOR CO. GROUP</b>							<b>KANSAS CITY</b>			
			ETHYLBENZENE	723.0	0.0	0.0	0.0	0.0	7,264.0	0.0	2,699.0
			METHYL ETHYL KETONE	10,490.0	0.0	0.0	0.0	0.0	34,932.0	0.0	39,444.0
			METHYL ISOBUTYL KETONE	2,535.0	0.0	0.0	0.0	0.0	0.0	0.0	9,516.0
			XYLENE (MIXED ISOMERS)	8,811.0	0.0	0.0	0.0	0.0	31,277.0	0.0	33,127.0
	<b>IATAN GENERATING STATION</b>							<b>WESTON</b>			
			BARIUM COMPOUNDS	8,700.0	330,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM COMPOUNDS	350.0	5,200.0	0.0	0.0	0.8	0.0	0.0	0.0
			COPPER COMPOUNDS	410.0	14,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	35,000.0	0.0	0.0	0.0	0.0	0.0	0.0	110,000.0
			HYDROGEN FLUORIDE	150,000.0	0.0	0.0	0.0	0.0	0.0	0.0	99,000.0
			LEAD COMPOUNDS	260.0	3,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	800.0	19,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	191.7	45.2	0.0	0.0	0.0	0.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	14,005.0	0.0	0.0	0.0	0.0	0.0	0.0	17,000.0
			VANADIUM COMPOUNDS	560.0	17,000.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	1,100.0	7,400.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MICHELIN AIRCRAFT TIRE CORP.</b>							<b>KANSAS CITY</b>			
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	400.0	0.0	0.0	0.0
			ZINC COMPOUNDS	170.0	0.0	0.0	0.0	1,610.0	0.0	0.0	0.0
	<b>WOODBIDGE CORP. - KANSAS CITY FOAM</b>							<b>RIVERSIDE</b>			
			DIETHANOLAMINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	179.0	0.0	0.0	0.0	5.0	0.0	0.0	180.0
<b>POLK</b>											
	<b>H&amp;H FARM PRODUCTS, INC.</b>							<b>BOLIVAR</b>			
			TOLUENE	14,215.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>POLK COUNTY CONCRETE (CONCRETE CO. OF SPFLD.)</b>							<b>BOLIVAR</b>			
			LEAD COMPOUNDS	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>PULASKI</b>											
	<b>CHARGER INC.</b>							<b>RICHLAND</b>			
	STYRENE		10,350.0		0.0	0.0	0.0	750.0	0.0	0.0	0.0
	<b>U.S. ARMY MANEUVER SUPPORT CENTER RANGES</b>							<b>FORT LEONARD WOOD</b>			
	ALUMINUM (FUME OR DUST)		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER		0.0		783,223.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIBUTYL PHTHALATE		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD		0.0		290,194.8	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS		859.2		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NITROGLYCERIN		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>U.S. ARMY MANEUVER SUPPORT CTR. &amp; FT. LEONARD WOOD</b>							<b>FORT LEONARD WOOD</b>			
	CHLORINE		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>PUTNAM</b>											
	<b>PREMIUM STANDARD FARMS-LUCERNE FEEDMILL</b>							<b>LUCERNE</b>			
	CHROMIUM COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SELENIUM COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>RALLS</b>											
	<b>BUCKHORN RUBBER PRODUCTS, INC.</b>							<b>HANNIBAL</b>			
	TOLUENE		1,994.0		0.0	0.0	0.0	0.0	0.0	0.0	11,165.0
	XYLENE (MIXED ISOMERS)		6,392.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS		0.0		0.0	0.0	0.0	250.0	12,065.0	0.0	0.0
	<b>CONTINENTAL CEMENT CO., LLC</b>							<b>HANNIBAL</b>			
	1,1,1-TRICHLOROETHANE		3.0		0.0	0.0	0.0	0.0	0.0	0.0	15,173.0
	1,2,4-TRIMETHYLBENZENE		99.0		0.0	0.0	0.0	0.0	0.0	533,460.0	0.0
	1,2-DICHLOROETHANE		2.0		0.0	0.0	0.0	0.0	0.0	11,685.0	0.0
	1,4-DIOXANE		4.0		0.0	0.0	0.0	0.0	0.0	18,701.0	0.0
	ACETONITRILE		59.0		0.0	0.0	0.0	0.0	0.0	318,888.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ACETOPHENONE	3.0	0.0	0.0	0.0	0.0	0.0	18,394.0	0.0
			ANTHRACENE	3.0	0.0	0.0	0.0	0.0	0.0	18,426.0	0.0
			ANTIMONY	125.0	169.0	0.0	0.0	34.0	0.0	0.0	0.0
			BARIUM COMPOUNDS	4.0	4,554.0	0.0	0.0	440.0	0.0	0.0	0.0
			BENZENE	5.0	0.0	0.0	0.0	0.0	0.0	25,342.0	0.0
			BIPHENYL	3.0	0.0	0.0	0.0	0.0	0.0	14,036.0	0.0
			CERTAIN GLYCOL ETHERS	60.0	0.0	0.0	0.0	0.0	0.0	323,933.0	0.0
			CHLOROBENZENE	9.0	0.0	0.0	0.0	0.0	0.0	50,540.0	0.0
			CHLOROFORM	16.0	0.0	0.0	0.0	0.0	0.0	90,404.0	0.0
			CHROMIUM COMPOUNDS	1.0	1,623.0	0.0	0.0	228.0	18,622.0	0.0	0.0
			COPPER COMPOUNDS	4.0	2,485.0	0.0	0.0	573.0	0.0	0.0	0.0
			CUMENE	7.0	0.0	0.0	0.0	0.0	0.0	33,836.0	0.0
			CYCLOHEXANE	15.0	0.0	0.0	0.0	0.0	0.0	81,011.0	0.0
			DICHLOROMETHANE	216.0	0.0	0.0	0.0	0.0	0.0	0.0	1,172,466.0
			DIMETHYL PHTHALATE	3.0	0.0	0.0	0.0	0.0	0.0	17,814.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	223.0	0.0	0.0	0.0	0.0	0.0	1,216,079.0	0.0
			ETHYLENE GLYCOL	7.0	0.0	0.0	0.0	0.0	0.0	39,593.0	0.0
			FORMALDEHYDE	2.0	0.0	0.0	0.0	0.0	0.0	11,817.0	0.0
			LEAD COMPOUNDS	312.0	17,884.0	0.0	0.0	153.0	0.0	0.0	0.0
			M-CRESOL	4.0	0.0	0.0	0.0	0.0	0.0	19,256.0	0.0
			M-XYLENE	958.0	0.0	0.0	0.0	0.0	0.0	5,209,545.0	0.0
			MERCURY COMPOUNDS	47.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHANOL	582.0	0.0	0.0	0.0	0.0	0.0	3,164,804.0	0.0
			METHYL ETHYL KETONE	479.0	0.0	0.0	0.0	0.0	0.0	2,599,786.0	0.0
			METHYL ISOBUTYL KETONE	121.0	0.0	0.0	0.0	0.0	0.0	656,181.0	0.0
			METHYL METHACRYLATE	20.0	0.0	0.0	0.0	0.0	0.0	109,824.0	0.0
			METHYL TERT-BUTYL ETHER	91.0	0.0	0.0	0.0	0.0	0.0	496,042.0	0.0
			N,N-DIMETHYLANILINE	2.0	0.0	0.0	0.0	0.0	0.0	12,453.0	0.0
			N,N-DIMETHYLFORMAMIDE	70.0	0.0	0.0	0.0	0.0	0.0	381,505.0	0.0
			N-BUTYL ALCOHOL	88.0	0.0	0.0	0.0	0.0	0.0	478,296.0	0.0
			N-HEXANE	90.0	0.0	0.0	0.0	0.0	0.0	490,747.0	0.0
			N-METHYL-2-PYRROLIDONE	294.0	0.0	0.0	0.0	0.0	0.0	1,595,839.0	0.0
			NAPHTHALENE	15.0	0.0	0.0	0.0	0.0	0.0	81,699.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NICKEL COMPOUNDS	8.0	730.0	0.0	0.0	926.0	0.0	0.0	0.0
			O-XYLENE	171.0	0.0	0.0	0.0	0.0	0.0	929,353.0	0.0
			PHENANTHRENE	6.0	0.0	0.0	0.0	0.0	0.0	30,354.0	0.0
			PHENOL	37.0	0.0	0.0	0.0	0.0	0.0	200,249.0	0.0
			PHTHALIC ANHYDRIDE	2.0	0.0	0.0	0.0	0.0	0.0	12,278.0	0.0
			PYRIDINE	4.0	0.0	0.0	0.0	0.0	0.0	24,095.0	0.0
			SEC-BUTYL ALCOHOL	11.0	0.0	0.0	0.0	0.0	0.0	62,306.0	0.0
			STYRENE	196.0	0.0	0.0	0.0	0.0	0.0	1,067,633.0	0.0
			TERT-BUTYL ALCOHOL	69.0	0.0	0.0	0.0	0.0	0.0	374,865.0	0.0
			TETRACHLOROETHYLENE	52.0	0.0	0.0	0.0	0.0	0.0	0.0	283,120.0
			TOLUENE	1,448.0	0.0	0.0	0.0	0.0	0.0	7,873,587.0	0.0
			TRICHLOROETHYLENE	28.0	0.0	0.0	0.0	0.0	0.0	0.0	154,456.0
			ZINC COMPOUNDS	312.0	49,991.0	0.0	0.0	1,514.0	0.0	0.0	0.0
			<b>COSMOFLEX, INC.</b>					<b>HANNIBAL</b>			
			DI(2-ETHYLHEXYL) PHTHALATE	842.0	0.0	0.0	0.0	40,055.0	0.0	0.0	57.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	81.0	0.0	0.0	0.0
			<b>DURA AUTOMOTIVE SYSTEMS, INC. (SOUTH)</b>					<b>HANNIBAL</b>			
			ZINC (FUME OR DUST)	1.0	0.0	0.0	0.0	27,156.0	0.0	0.0	0.0
			<b>ENDURO IND., INC.</b>					<b>HANNIBAL</b>			
			CHROMIUM COMPOUNDS	52.7	0.0	0.0	0.0	3,062.0	5,313.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	33.7	0.0	0.0	0.0
			<b>ENNIS PAINT, INC.</b>					<b>SAVERTON</b>			
			METHANOL	2,996.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>WATLOW IND.</b>					<b>HANNIBAL</b>			
			CHROMIUM	0.0	0.0	0.0	5.0	0.0	18,143.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	5.0	0.0	13,607.0	0.0	0.0
			<b>RANDOLPH</b>								
			<b>CUSTOM COMPOSITES CO, INC.</b>					<b>CLIFTON HILL</b>			
			STYRENE	4,561.0	0.0	0.0	0.0	0.0	0.0	86.0	0.0
			<b>MOBERLY BRAKE OPERATIONS</b>					<b>MOBERLY</b>			
			METHANOL	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
THOMAS HILL ENERGY CENTER							CLIFTON HILL				
	MERCURY COMPOUNDS			375.0	59.0	3.6	0.0	0.0	75.0	0.0	0.0
THOMAS HILL ENERGY CENTER - POWER DIV.							CLIFTON HILL				
	BARIUM COMPOUNDS			35,309.0	620,000.0	1,555.0	0.0	5.0	0.0	0.0	0.0
	CHLORINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	39,000.0
	CHROMIUM COMPOUNDS			1,100.0	12,225.0	35.0	0.0	5.0	0.0	0.0	0.0
	COBALT COMPOUNDS			463.0	7,700.0	31.0	0.0	5.0	0.0	0.0	0.0
	COPPER COMPOUNDS			1,050.0	31,575.0	36.0	0.0	5.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			40,500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROGEN FLUORIDE			267,200.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			900.0	7,543.0	21.0	0.0	0.0	44.0	0.0	0.0
	MANGANESE COMPOUNDS			2,087.0	28,000.0	288.0	0.0	5.0	0.0	0.0	0.0
	NICKEL COMPOUNDS			936.0	9,800.0	35.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			90,150.0	0.0	0.0	0.0	0.0	0.0	0.0	3,622,000.0
	VANADIUM COMPOUNDS			1,580.0	31,238.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			3,000.0	17,710.0	86.0	0.0	5.0	0.0	0.0	0.0
WILSON TRAILER SALES, INC.							MOBERLY				
	COPPER			65.0	26.0	0.0	0.0	0.0	1,930.0	0.0	0.0
	MANGANESE			71.0	17.0	0.0	0.0	0.0	2,315.0	0.0	0.0
RAY											
ORBSEAL, LLC							RICHMOND				
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	18,524.0	1,701,679.0	0.0	0.0
PACIFIC EPOXY POLYMERS, INC.							RICHMOND				
	4,4'-ISOPROPYLIDENEDIPHENOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	EPICHLOROHYDRIN			255.0	0.0	0.0	0.0	0.0	0.0	126.0	0.0
	N-BUTYL ALCOHOL			5.0	0.0	0.0	0.0	0.0	0.0	35,397.0	0.0
	O-CRESOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	PHENOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			255.0	0.0	0.0	0.0	0.0	0.0	145,095.0	0.0
	XYLENE (MIXED ISOMERS)			10.0	0.0	0.0	0.0	0.0	0.0	24,744.0	0.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
REYNOLDS											
BRUSHY CREEK MINE/MILL								BUNKER			
	COPPER COMPOUNDS			250.0	877,548.0	250.0		0.0	0.0	0.0	0.0
	CYANIDE COMPOUNDS			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			29,026.0	4,285,356.0	673.0		0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			8,354.0	7,264,736.0	3,461.0		0.0	0.0	0.0	0.0
FLETCHER MINE/MILL								BUNKER			
	COPPER COMPOUNDS			255.0	1,126,674.0	500.0		0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			29,453.0	5,423,735.0	806.0		0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			2,587.0	3,576,579.0	1,254.0		0.0	0.0	0.0	0.0
MISSOURI TIE & TIMBER, INC.								REYNOLDS			
	BENZO(G,H,I)PERYLENE			0.0	0.0	0.0		0.0	0.0	0.0	33.8
	CREOSOTE			14,961.0	0.0	0.0		0.0	0.0	0.0	18,756.0
	POLYCYCLIC AROMATIC COMPOUNDS			124.3	0.0	0.0		0.0	0.0	0.0	1,412.3
SWEETWATER MINE/MILL								ELLINGTON			
	COPPER COMPOUNDS			250.0	478,129.0	250.0		0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			8,262.0	1,568,784.0	85.0		0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			750.0	1,294,830.0	250.0		0.0	0.0	0.0	0.0
SALINE											
CONAGRA FOODS								MARSHALL			
	AMMONIA			6,300.0	0.0	0.0		0.0	0.0	0.0	0.0
KENT FEEDS, INC.								MARSCHALL			
	ZINC COMPOUNDS			0.0	0.0	0.0		0.0	0.0	0.0	0.0
MARSHALL MUNICIPAL UTILITIES POWER PLANT								MARSHALL			
	LEAD COMPOUNDS			228.0	0.0	0.0		0.0	1,669.0	0.0	0.0
SCOTT											
ESSEX ELECTRIC, INC.								SIKESTON			
	ANTIMONY COMPOUNDS			0.0	0.0	0.0		0.0	780.0	2,592.0	0.0
	COPPER			0.0	0.0	40.0		7.0	0.0	2,783,322.0	0.0
	LEAD COMPOUNDS			0.0	0.0	0.0		0.0	2,199.0	25,613.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
HERITAGE AMERICAN HOMES, INC.							SIKESTON				
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MANAC TRAILERS USA, INC.							ORAN				
	ALUMINUM (FUME OR DUST)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	BARIUM COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	CHROMIUM			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	MANGANESE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	NICKEL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	PHOSPHORUS (YELLOW OR WHITE)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	ZINC (FUME OR DUST)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SIKESTON POWER STATION							SIKESTON				
	BARIUM COMPOUNDS			2,900.0	130,000.0	0.0	0.0	0.0	0.0	0.0	
	COPPER COMPOUNDS			96.0	4,300.0	0.0	0.0	0.0	0.0	0.0	
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.9	0.0	0.0	0.0	0.0	0.0	0.0	
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			52,000.0	0.0	0.0	0.0	0.0	0.0	0.0	
	HYDROGEN FLUORIDE			39,000.0	0.0	0.0	0.0	0.0	0.0	0.0	
	LEAD COMPOUNDS			18.0	830.0	0.0	0.0	0.0	0.0	0.0	
	MANGANESE COMPOUNDS			92.0	4,200.0	0.0	0.0	0.0	0.0	0.0	
	MERCURY			124.0	0.0	0.0	0.0	0.0	0.0	0.0	
	ZINC COMPOUNDS			96.0	4,300.0	0.0	0.0	0.0	0.0	0.0	
SHELBY											
CERRO FLOW PRODUCTS, INC.							SHELBINA				
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ST. CHARLES											
AMERENUE SIOUX POWER PLANT							WEST ALTON				
	BARIUM COMPOUNDS			17,915.0	864,617.0	0.0	0.0	0.0	0.0	0.0	
	CHROMIUM COMPOUNDS			722.0	24,850.0	1.0	0.0	0.0	0.0	0.0	
	COPPER COMPOUNDS			418.0	21,797.0	1.0	0.0	0.0	0.0	0.0	
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.5	0.0	0.0	0.0	0.0	0.0	0.0	
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			418,553.0	0.0	0.0	0.0	0.0	0.0	224,373.0	
	HYDROGEN FLUORIDE			206,513.0	0.0	0.0	0.0	0.0	0.0	120,388.0	

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	LEAD COMPOUNDS			781.9	21,161.1	0.2	0.0	0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			837.0	26,519.0	8.0	0.0	0.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			238.4	44.8	0.0	0.0	0.0	9.0	0.0	0.0
	NICKEL COMPOUNDS			688.0	24,518.0	1.0	0.0	0.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			623,131.0	0.0	0.0	0.0	0.0	0.0	0.0	2,891,027.0
	VANADIUM COMPOUNDS			1,068.0	54,188.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			1,966.0	42,370.0	10.0	0.0	0.0	0.0	0.0	0.0
	<b>BRAKING TECHNOLOGIES, INC</b>						<b>O'FALLON</b>				
	METHYL ETHYL KETONE			5,372.0	0.0	0.0	0.0	0.0	0.0	160.0	26,919.0
	<b>COMPONENT BAR PRODUCTS</b>						<b>ST. CHARLES</b>				
	TRICHLOROETHYLENE			40,272.0	0.0	0.0	0.0	0.0	8,430.0	0.0	2,013.0
	<b>DIDION &amp; SONS FOUNDRY</b>						<b>ST. PETERS</b>				
	COPPER			0.0	2.0	0.0	0.0	0.0	19,997.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	855.0	0.0	0.0	0.0	19,473.0	0.0	0.0
	<b>EHV-WEIDMANN ELECTRIC - PAPER DIVISION</b>						<b>O'FALLON</b>				
	METHANOL			462.0	0.0	0.0	0.0	0.0	0.0	28.0	58,616.0
	METHYL ETHYL KETONE			2,416.0	0.0	0.0	0.0	0.0	0.0	292.0	309,154.0
	PHENOL			106.0	0.0	0.0	0.0	0.0	0.0	10.0	12,908.0
	TOLUENE			2,110.0	0.0	0.0	0.0	0.0	0.0	692.0	269,880.0
	<b>GENERAL MOTORS - WENTZVILLE ASSEMBLY</b>						<b>WENTZVILLE</b>				
	1,2,4-TRIMETHYLBENZENE			35,550.0	0.0	0.0	0.0	0.0	7,600.0	760.0	56.0
	BENZENE			1,620.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
	BENZO(G,H,I)PERYLENE			0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			126,500.0	0.0	0.0	0.0	8,100.0	4,300.0	2,400.0	130,000.0
	ETHYLBENZENE			47,550.0	0.0	0.0	0.0	0.0	17,000.0	1,900.0	40.0
	ETHYLENE GLYCOL			130.0	0.0	0.0	0.0	0.0	0.0	0.0	1,500.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			74,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			110.0	0.0	0.0	0.0	976.5	0.0	0.0	0.0
	MANGANESE COMPOUNDS			170.0	0.0	0.0	140.0	4,131.0	0.0	0.0	0.0
	METHANOL			780.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			17,500.0	0.0	0.0	0.0	0.0	5,400.0	630.0	0.0
	METHYL ISOBUTYL KETONE			30,480.0	0.0	0.0	0.0	0.0	2,000.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			N-BUTYL ALCOHOL	58,590.0	0.0	0.0	0.0	0.0	5,500.0	1,600.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38,000.0
			POLYCYCLIC AROMATIC COMPOUNDS	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
			SODIUM NITRITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47,000.0
			TOLUENE	10,400.0	0.0	0.0	0.0	0.0	0.0	0.0	300.0
			XYLENE (MIXED ISOMERS)	262,900.0	0.0	0.0	0.0	0.0	82,000.0	8,800.0	300.0
			ZINC COMPOUNDS	80.0	0.0	0.0	128.0	5,503.0	0.0	0.0	0.0
	<b>LEONARD'S METAL, INC.</b>						<b>ST. CHARLES</b>				
			LEAD	2.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
	<b>MEMC ELECTRONIC MATERIALS, INC.</b>						<b>ST. PETERS</b>				
			AMMONIA	7,782.0	0.0	0.0	0.0	0.0	0.0	0.0	98,060.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	340.0	0.0	0.0	0.0	0.0	0.0	0.0	330,920.0
			HYDROGEN FLUORIDE	5,021.0	0.0	0.0	0.0	0.0	0.0	0.0	354,282.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	935,515.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	950,602.0
			OZONE	181.0	0.0	0.0	0.0	0.0	0.0	0.0	17,906.0
	<b>O'FALLON CASTING</b>						<b>O'FALLON</b>				
			AMMONIA	29,195.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROGEN FLUORIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PPG IND., INC.</b>						<b>O'FALLON</b>				
			LEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>RECKITT BENCKISER</b>						<b>ST. PETERS</b>				
			DIETHANOLAMINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.0
	<b>SAFETY-KLEEN SYSTEMS (516003)</b>						<b>ST. CHARLES</b>				
			ETHYLENE GLYCOL	7.0	0.0	0.0	0.0	0.0	189,139.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	0.0	647.0	0.0	0.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	1,668.0	0.0	0.0
	<b>SUPERIOR HOME PRODUCTS, INC.</b>						<b>WENTZVILLE</b>				
			STYRENE	40,366.0	0.0	0.0	0.0	0.0	147.0	431.0	0.0
	<b>TRUE MFG. CO., INC.</b>						<b>O'FALLON</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CHLORODIFLUOROMETHANE	24,683.0	0.0	0.0	0.0	750.0	0.0	0.0	0.0
			DIISOCYANATES	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	22,950.0	0.0	0.0	0.0	0.0	0.0	8,239.0	0.0
			TOLUENE	26,230.0	0.0	0.0	0.0	0.0	0.0	14,958.0	0.0
	<b>UNIVERSAL GALVANIZING, INC.</b>						<b>ST. PETERS</b>				
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	250.0	0.0	0.0	0.0	0.0	343,970.0	0.0	0.0
			LEAD	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	250.0	0.0	0.0	0.0	0.0	235,500.0	0.0	0.0
	<b>WILSON MARBLE, INC.</b>						<b>O'FALLON</b>				
			STYRENE	3,106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WOODBRIIDGE CORP.</b>						<b>ST. PETERS</b>				
			DIETHANOLAMINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	209.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
	<b>ZOLTEK CORP.</b>						<b>ST. CHARLES</b>				
			AMMONIA	2,939.0	0.0	0.0	0.0	0.0	0.0	0.0	55,521.0
			CYANIDE COMPOUNDS	446.0	0.0	0.0	0.0	0.0	0.0	0.0	163,908.0
<b>ST. FRANCOIS</b>											
	<b>LITTLE TIKES COMMERCIAL PLAY SYSTEMS, INC.</b>						<b>FARMINGTON</b>				
			CERTAIN GLYCOL ETHERS	13,870.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ORICA USA, INC.</b>						<b>BONNE TERRE</b>				
			AMMONIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SIEGEL-ROBERT AUTOMOTIVE</b>						<b>FARMINGTON</b>				
			AMMONIA	16,400.0	0.0	0.0	0.0	0.0	0.0	0.0	6,580.0
			CHROMIUM COMPOUNDS	255.0	0.0	0.0	21.0	0.0	135,218.0	0.0	0.0
			COPPER COMPOUNDS	255.0	0.0	0.0	25.2	0.0	26,301.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	6.4	0.0	132.0	0.0	0.0
			METHANOL	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	3,490.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL COMPOUNDS	255.0	0.0	0.0	24.1	0.0	29,920.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43,221.0
			NITRIC ACID	500.0	0.0	0.0	0.0	0.0	0.0	0.0	44,517.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			TOLUENE	2,030.0	0.0	0.0	0.0	0.0	0.0	2,580.0	0.0
			XYLENE (MIXED ISOMERS)	12,970.0	0.0	0.0	0.0	0.0	0.0	3,620.0	0.0
<b>ST. LOUIS CITY</b>											
	<b>ABB, INC.</b>						<b>ST. LOUIS</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	325,000.0	0.0	0.0
	<b>ABC DAIRY, INC., (DBA PEVELEY DAIRY CO.)</b>						<b>ST. LOUIS</b>				
			AMMONIA	1,616.0	0.0	0.0	0.0	3,232.0	3,232.0	0.0	2,693.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,999.0
	<b>ADM MILLING CO.</b>						<b>ST. LOUIS</b>				
			BROMOMETHANE	11,700.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHLORINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ALLIED HEALTHCARE PRODUCTS</b>						<b>ST. LOUIS</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	139,492.0	0.0	0.0
	<b>ALUMAX FOILS, INC.</b>						<b>ST. LOUIS</b>				
			CHLORINE	10,804.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	23,338.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD	279.0	0.0	0.0	2.6	58.4	270.0	0.0	0.0
	<b>ARTCO NORTH TERMINAL</b>						<b>ST. LOUIS</b>				
			1,2,4-TRIMETHYLBENZENE	9.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0
			BENZO(G,H,I)PERYLENE	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
			MERCURY	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
			N-HEXANE	9.1	0.0	0.0	0.0	0.0	0.0	1.0	0.0
			POLYCYCLIC AROMATIC COMPOUNDS	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
	<b>ASHLAND DISTRIBUTION CO.</b>						<b>ST. LOUIS</b>				
			1,2,4-TRIMETHYLBENZENE	98.0	0.0	0.0	0.0	0.0	0.0	924.0	0.0
			CERTAIN GLYCOL ETHERS	702.0	0.0	0.0	0.0	0.0	0.0	1,493.0	0.0
			CYCLOHEXANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	377.0	0.0	0.0	0.0	0.0	0.0	3,716.0	0.0
			METHANOL	687.0	0.0	0.0	0.0	0.0	0.0	2,532.0	0.0
			METHYL ETHYL KETONE	548.0	0.0	0.0	0.0	0.0	0.0	870.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	N-BUTYL ALCOHOL			205.0	0.0	0.0	0.0	0.0	0.0	415.0	0.0
	N-HEXANE			3,287.0	0.0	0.0	0.0	0.0	0.0	3,599.0	0.0
	SEC-BUTYL ALCOHOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			1,114.0	0.0	0.0	0.0	0.0	0.0	7,276.0	0.0
	XYLENE (MIXED ISOMERS)			955.0	0.0	0.0	0.0	0.0	0.0	18,433.0	0.0
	<b>ASTARIS, LLC</b>						<b>ST. LOUIS</b>				
	PHOSPHORUS (YELLOW OR WHITE)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	383.2
	<b>BAYER CROPSCIENCE</b>						<b>ST. LOUIS</b>				
	CARBARYL			250.0	0.0	0.0	0.0	0.0	1,000.0	0.0	400.0
	THIODICARB			250.0	0.0	0.1	0.0	0.0	135,000.0	0.0	300.0
	<b>BRENNTAG MID-SOUTH, INC.</b>						<b>ST. LOUIS</b>				
	DICHLOROMETHANE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIETHANOLAMINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			4,795.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-HEXANE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NAPHTHALENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			490.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TRICHLOROETHYLENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CLEAN CITY SQUARES, INC.</b>						<b>ST. LOUIS</b>				
	TOLUENE			5,287.0	0.0	0.0	0.0	0.0	0.0	5,040.0	0.0
	<b>CONNECTOR CASTINGS, INC.</b>						<b>ST. LOUIS</b>				
	COPPER COMPOUNDS			4,265.8	0.0	0.0	250.0	22,961.0	2,885,796.0	0.0	0.0
	<b>CONTINENTAL FABRICATORS, INC.</b>						<b>ST. LOUIS</b>				
	CHROMIUM			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>DAZOR MANUFACTURING CORP</b>						<b>ST. LOUIS</b>				
	TETRACHLOROETHYLENE			11,850.0	0.0	0.0	0.0	0.0	0.0	0.0	978.0
	<b>DIAL CORP.</b>						<b>ST. LOUIS</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	FORMALDEHYDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ELEMENTIS SPECIALTIES, INC.</b>						<b>ST. LOUIS</b>				
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CYCLOHEXANOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-BUTYL ALCOHOL			33.0	0.0	0.0	0.0	0.0	0.0	3,506.0	5.0
	TOLUENE			41.0	0.0	0.0	0.0	0.0	0.0	3,506.0	5.0
	XYLENE (MIXED ISOMERS)			878.0	0.0	0.0	0.0	0.0	0.0	40,632.0	5.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FEDERAL MOGUL</b>						<b>ST. LOUIS</b>				
	MANGANESE			1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>HARCROS CHEMICALS, INC.</b>						<b>ST. LOUIS</b>				
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>HERMANN OAK LEATHER CO.</b>						<b>ST. LOUIS</b>				
	MANGANESE COMPOUNDS			0.0	0.0	0.0	26,000.0	0.0	0.0	0.0	0.0
	<b>HUNTSMAN PETROCHEMICAL CORP.</b>						<b>ST. LOUIS</b>				
	MALEIC ANHYDRIDE			12,583.0	0.0	0.0	0.0	0.0	0.0	0.0	4,418.0
	<b>INDUSTRIAL POWDER COATINGS</b>						<b>ST. LOUIS</b>				
	LEAD			0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0
	NICKEL			30.0	0.0	0.0	529.0	0.0	9,659.0	0.0	0.0
	<b>INTERCOM CHEMICAL CO.</b>						<b>ST. LOUIS</b>				
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>J.D. STREETT &amp; CO.</b>						<b>ST. LOUIS</b>				
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>JAMES VARLEY AND SONS, PECKS PRODUCTS</b>						<b>ST. LOUIS</b>				
	CERTAIN GLYCOL ETHERS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>KILLARK</b>						<b>ST. LOUIS</b>				
	LEAD			0.0	0.0	0.0	1.0	0.0	661.0	0.0	0.0
	<b>KOP-COAT, INC.</b>						<b>ST. LOUIS</b>				



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			3-IODO-2-PROPYNYL BUTYLCARBAMATE	1,654.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	578.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>LINCOLN INDUSTRIAL CORP.</b>						<b>ST. LOUIS</b>				
	LEAD			0.0	0.0	0.0	0.0	0.0	2,184.0	0.0	0.0
	<b>MALLINCKRODT, INC.</b>						<b>ST. LOUIS</b>				
	ACETONITRILE			207.0	0.0	0.0	0.0	0.0	0.0	21,850.0	232,518.0
	AMMONIA			3.0	0.0	0.0	0.0	0.0	0.0	0.0	59,819.0
	CHLORINE			47.0	0.0	0.0	0.0	0.0	0.0	0.0	385,985.0
	CHLOROACETIC ACID			4.0	0.0	0.0	0.0	0.0	0.0	0.0	130,577.0
	CHLOROBENZENE			24.0	0.0	0.0	0.0	0.0	0.0	0.0	10,161.0
	CHLOROFORM			5,879.0	0.0	0.0	0.0	0.0	7,947,293.0	0.0	330,437.0
	DICHLOROMETHANE			1,676.0	0.0	0.0	0.0	0.0	0.0	0.0	271,631.0
	ETHYL CHLOROFORMATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	212.0
	ETHYLENE GLYCOL			60.0	0.0	0.0	0.0	0.0	0.0	1,284.0	253,552.0
	ETHYLENE OXIDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	129,925.0
	FORMIC ACID			20.0	0.0	0.0	0.0	0.0	0.0	0.0	33,143.0
	HYDRAZINE			21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			31.0	0.0	0.0	0.0	214.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			165.0	0.0	0.0	226.0	476.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			2.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
	METHANOL			4,758.0	0.0	0.0	0.0	0.0	15,754,001.0	245,661.0	2,035,147.0
	METHYL ISOBUTYL KETONE			296.0	0.0	0.0	0.0	0.0	0.0	138,261.0	9,602.0
	METHYL TERT-BUTYL ETHER			72.0	0.0	0.0	0.0	0.0	0.0	0.0	89,801.0
	N,N-DIMETHYLANILINE			0.0	0.0	0.0	0.0	0.0	0.0	47,640.0	26.0
	N,N-DIMETHYLFORMAMIDE			0.0	0.0	0.0	0.0	0.0	0.0	28,237.0	1,574.0
	NITRATE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	146,930.0
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	140,108.0
	PERACETIC ACID			3.3	0.0	0.0	0.0	0.0	0.0	0.0	22.0
	TOLUENE			3,169.0	0.0	0.0	0.0	0.0	0.0	1,410,951.0	126,192.0
	XYLENE (MIXED ISOMERS)			151.1	0.0	0.0	0.0	0.0	0.0	0.0	63,405.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>MARQUETTE TOOL &amp; DIE CO.</b>						<b>ST. LOUIS</b>				
	TRICHLOROETHYLENE		35,640.0		0.0	0.0	0.0	0.0	24,156.0	0.0	0.0
	<b>MID-WEST INDUSTRIAL CHEMICAL CO.</b>						<b>ST. LOUIS</b>				
	METHYL ETHYL KETONE		1,300.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-HEXANE		5,000.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE		4,500.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MIDLAND RESOURCES, INC.</b>						<b>ST. LOUIS</b>				
	CHLORINE		5.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NEW WORLD PASTA</b>						<b>ST. LOUIS</b>				
	BROMOMETHANE		17,774.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NORDYNE, INC.</b>						<b>ST. LOUIS</b>				
	CHLORODIFLUOROMETHANE		9,157.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER		0.0		0.0	0.0	0.0	0.0	54,000.0	0.0	0.0
	<b>PAULO PRODUCTS CO.</b>						<b>ST. LOUIS</b>				
	AMMONIA		740.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PERMACEL ST. LOUIS, INC.</b>						<b>ST. LOUIS</b>				
	ANTIMONY COMPOUNDS		10.0		0.0	0.0	5.0	296.3	420.0	0.0	0.0
	BARIUM COMPOUNDS		0.0		0.0	0.0	0.0	316.5	600.0	0.0	0.0
	DECABROMODIPHENYL OXIDE		8.0		0.0	0.0	0.0	705.6	200.0	0.0	18.0
	ZINC COMPOUNDS		17.0		0.0	0.0	100.0	2,606.0	4,000.0	0.0	0.0
	<b>PHARMACIA QUEENY PILOT PLANT</b>						<b>ST. LOUIS</b>				
	METHANOL		225.0		0.0	0.0	0.0	0.0	0.0	11,958.0	0.0
	<b>POLY ONE CORP.</b>						<b>ST. LOUIS</b>				
	ANTIMONY COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	BARIUM COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIISOCYANATES		5.0		0.0	0.0	0.0	344.1	0.0	13,744.5	0.0
	LEAD COMPOUNDS		0.0		0.0	0.0	0.0	116.9	0.0	0.0	0.0
	MERCURY COMPOUNDS		0.0		0.0	0.0	0.0	1.4	0.0	0.0	0.0
	METHYL ISOBUTYL KETONE		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>PRAXAIR DISTRIBUTION, INC.</b>						<b>ST. LOUIS</b>				
	PROPYLENE			3,901.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>PRECOAT METALS</b>						<b>ST. LOUIS</b>				
	1,2,4-TRIMETHYLBENZENE			7,711.0	0.0	0.0	0.0	0.0	0.0	4,976.0	174,160.0
	CERTAIN GLYCOL ETHERS			26,549.0	0.0	0.0	0.0	0.0	0.0	17,132.0	599,661.0
	ETHYLBENZENE			3,667.0	0.0	0.0	0.0	0.0	0.0	2,366.0	82,817.0
	METHYL ETHYL KETONE			7,590.0	0.0	0.0	0.0	0.0	0.0	9,774.0	172,068.0
	METHYL ISOBUTYL KETONE			5,239.0	0.0	0.0	0.0	0.0	0.0	3,381.0	118,340.0
	N-BUTYL ALCOHOL			4,918.0	0.0	0.0	0.0	0.0	0.0	3,174.0	111,078.0
	NAPHTHALENE			748.0	0.0	0.0	0.0	0.0	0.0	482.0	16,880.0
	TOLUENE			3,362.0	0.0	0.0	0.0	0.0	0.0	2,169.0	75,932.0
	XYLENE (MIXED ISOMERS)			21,750.0	0.0	0.0	0.0	0.0	0.0	56,632.0	495,866.0
	<b>PROCTER &amp; GAMBLE MANUFACTURING CO.</b>						<b>ST. LOUIS</b>				
	AMMONIA			250.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CUMENE			98.0	0.0	0.0	0.0	0.0	0.0	0.0	55,000.0
	MERCURY			0.1	0.0	0.0	0.0	0.0	1.0	0.0	0.0
	NITRIC ACID			500.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SCHAEFFER MFG.</b>						<b>ST. LOUIS</b>				
	1,2,4-TRIMETHYLBENZENE			738.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ANTIMONY COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			9,832.0	0.0	0.0	0.0	0.0	0.0	0.0	632.0
	CRESOL (MIXED ISOMERS)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CUMENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIETHANOLAMINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLBENZENE			238.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-BUTYL ALCOHOL			6,329.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NAPHTHALENE			834.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SODIUM NITRITE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	VINYL ACETATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			7,992.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SCHREIBER FOODS, INC.</b>						<b>ST. LOUIS</b>				
	NITRATE COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	33,928.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25,149.0
	<b>SENSIENT COLORS, INC.</b>						<b>ST. LOUIS</b>				
			MANGANESE COMPOUNDS	0.0	117,559.0	0.0	9,839.0	9,839.0	0.0	0.0	0.0
			N-BUTYL ALCOHOL	3,180.0	0.0	0.0	0.0	0.0	548,224.0	0.0	44,519.0
			SODIUM NITRITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SIEGEL ROBERT PLATING CO.</b>						<b>ST. LOUIS</b>				
			CHROMIUM COMPOUNDS	10.0	0.0	5.0	5.0	13,000.0	3,500.0	0.0	0.0
			COPPER COMPOUNDS	10.0	0.0	5.0	5.0	3,000.0	148.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	2.0	9.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	57,820.0	0.0	0.0	0.0	0.0	0.0	29,019.0	0.0
			NICKEL COMPOUNDS	10.0	0.0	5.0	5.0	2,500.0	96.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	500.0
			NITRIC ACID	500.0	0.0	0.0	0.0	0.0	0.0	0.0	27,700.0
	<b>SIGMA-ALDRICH CO.</b>						<b>ST. LOUIS</b>				
			AMMONIA	500.0	0.0	0.0	0.0	250.0	0.0	0.0	20,000.0
			ETHYLENE GLYCOL	5.0	0.0	0.0	0.0	250.0	0.0	0.0	38,900.0
			METHANOL	20,200.0	0.0	0.0	0.0	0.0	314,825.0	427,920.0	20,193.0
	<b>SOLUTIA, INC. -- JOHN F. QUEENY PLANT</b>						<b>ST. LOUIS</b>				
			AMMONIA	4,379.0	0.0	0.0	0.0	0.0	0.0	0.0	155,745.0
			MALEIC ANHYDRIDE	875.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHANOL	45,798.0	0.0	0.0	0.0	0.0	0.0	0.0	359,693.0
	<b>ST. LOUIS METALLIZING CO.</b>						<b>ST. LOUIS</b>				
			CHROMIUM	339.0	0.0	0.0	0.0	1,631.0	1,973.0	0.0	0.0
			MANGANESE	8.0	0.0	0.0	0.0	58.0	475.0	0.0	0.0
			NICKEL	868.0	0.0	0.0	0.0	4,176.0	253.0	0.0	0.0
			TETRACHLOROETHYLENE	19,150.0	0.0	0.0	0.0	0.0	6,050.0	0.0	0.0
	<b>STERLING LACQUER MFG. CO.</b>						<b>ST. LOUIS</b>				
			CERTAIN GLYCOL ETHERS	2,002.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	878.0	0.0	0.0	0.0	0.0	43,918.0	0.0	0.0
	<b>SWING A WAY MFG.</b>						<b>ST. LOUIS</b>				
			NICKEL	0.0	0.0	0.0	250.0	0.0	3,732.0	0.0	25.0
	<b>THE P.D. GEORGE CO.</b>						<b>ST. LOUIS</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			1,2,4-TRIMETHYLBENZENE	4,800.0	0.0	0.0	0.0	0.0	0.0	9,600.0	1,300.0
			2,4-DIMETHYLPHENOL	1,000.0	0.0	0.0	0.0	0.0	2,700.0	8,000.0	7,000.0
			4,4'-ISOPROPYLIDENEDIPHENOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			4,4'-METHYLENEDIANILINE	250.0	0.0	0.0	0.0	0.0	0.0	0.0	550.0
			BIPHENYL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	1,000.0	0.0	0.0	0.0	0.0	0.0	3,100.0	270.0
			CRESOL (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	69,000.0	33,000.0	31,000.0
			CUMENE	1,450.0	0.0	0.0	0.0	0.0	300.0	1,100.0	100.0
			DICYCLOPENTADIENE	1,400.0	0.0	0.0	0.0	0.0	5,000.0	680.0	400.0
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	3,800.0	60.0
			ETHYLBENZENE	3,650.0	0.0	0.0	0.0	0.0	1,500.0	14,000.0	4,000.0
			ETHYLENE GLYCOL	255.0	0.0	0.0	0.0	0.0	10,000.0	2,000.0	6,800.0
			MALEIC ANHYDRIDE	250.0	0.0	0.0	0.0	250.0	0.0	17,000.0	0.0
			METHANOL	1,950.0	0.0	0.0	0.0	0.0	4,200.0	0.0	29,000.0
			METHYL ETHYL KETONE	2,350.0	0.0	0.0	0.0	0.0	100.0	6,200.0	620.0
			N-BUTYL ALCOHOL	1,000.0	0.0	0.0	0.0	0.0	2,600.0	2,800.0	28,000.0
			N-METHYL-2-PYRROLIDONE	2,300.0	0.0	0.0	0.0	0.0	6,900.0	27,000.0	2,700.0
			NAPHTHALENE	255.0	0.0	0.0	0.0	0.0	0.0	1,200.0	350.0
			PHENOL	5,900.0	0.0	0.0	0.0	0.0	22,000.0	28,000.0	17,000.0
			PHTHALIC ANHYDRIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			STYRENE	5,050.0	0.0	0.0	0.0	0.0	19,000.0	24,000.0	4,800.0
			TETRABROMOBISPHENOL A	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
			TOLUENE	1,250.0	0.0	0.0	0.0	0.0	2,600.0	9,400.0	76.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	250.0	0.0	0.0	0.0	0.0	0.0	153.0	0.0
			TRIETHYLAMINE	1,650.0	0.0	0.0	0.0	0.0	0.0	360.0	350.0
			XYLENE (MIXED ISOMERS)	16,600.0	0.0	0.0	0.0	0.0	74,000.0	58,000.0	23,000.0
			<b>THIEL TOOL</b>					<b>ST. LOUIS</b>			
			COBALT	0.0	0.0	0.0	0.0	0.0	26,925.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	12,116.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	29,618.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	13,732.0	0.0	0.0
			<b>TRANS CHEMICAL, INC.</b>					<b>ST. LOUIS</b>			
			1,2,4-TRIMETHYLBENZENE	255.0	0.0	0.0	0.0	0.0	0.0	3,085.0	199.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	CERTAIN GLYCOL ETHERS			255.0	0.0	0.0	0.0	0.0	0.0	1,423.0	974.0
	CUMENE			255.0	0.0	0.0	0.0	0.0	0.0	403.0	0.0
	DICHLOROMETHANE			1,172.0	0.0	0.0	0.0	0.0	0.0	1,205.0	71.0
	ETHYLBENZENE			500.0	0.0	0.0	0.0	0.0	0.0	3,304.0	150.0
	ETHYLENE GLYCOL			255.0	0.0	0.0	0.0	0.0	0.0	2,555.0	189.0
	M-CRESOL			10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			1,781.0	0.0	0.0	0.0	0.0	0.0	51,990.0	1,903.0
	METHYL ETHYL KETONE			1,416.0	0.0	0.0	0.0	0.0	0.0	12,550.0	669.0
	METHYL ISOBUTYL KETONE			255.0	0.0	0.0	0.0	0.0	0.0	2,379.0	99.0
	N-BUTYL ALCOHOL			255.0	0.0	0.0	0.0	0.0	0.0	1,936.0	334.0
	N-METHYL-2-PYRROLIDONE			10.0	0.0	0.0	0.0	0.0	0.0	1,190.0	0.0
	TETRACHLOROETHYLENE			255.0	0.0	0.0	0.0	0.0	0.0	335.0	90.0
	TOLUENE			1,340.0	0.0	0.0	0.0	0.0	0.0	45,059.0	2,742.0
	XYLENE (MIXED ISOMERS)			500.0	0.0	0.0	0.0	0.0	0.0	14,759.0	672.0
	<b>U. S. POLYMERS, INC.</b>						<b>ST. LOUIS</b>				
	1,2,4-TRIMETHYLBENZENE			312.0	0.0	0.0	0.0	0.0	2,778.0	863.0	0.0
	CERTAIN GLYCOL ETHERS			892.0	0.0	0.0	0.0	0.0	7,932.0	2,464.0	0.0
	DIISOCYANATES			74.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLBENZENE			167.0	0.0	0.0	0.0	0.0	1,491.0	463.0	1.0
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	PHTHALIC ANHYDRIDE			401.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			563.0	0.0	0.0	0.0	0.0	21,628.0	6,718.0	0.4
	<b>U.S. PAINT CORP.</b>						<b>ST. LOUIS</b>				
	CERTAIN GLYCOL ETHERS			12,250.0	0.0	0.0	0.0	0.0	1,682.0	14,946.0	340.8
	CHROMIUM COMPOUNDS			250.0	0.0	0.0	0.0	250.0	264.0	0.0	0.0
	COPPER COMPOUNDS			250.0	0.0	0.0	0.0	250.0	1,792.0	0.0	0.0
	ETHYLBENZENE			7,205.0	0.0	0.0	0.0	0.0	2,033.0	10,167.0	218.0
	METHYL ETHYL KETONE			36,750.0	0.0	0.0	0.0	0.0	243,566.0	49,530.0	18.0
	METHYL ISOBUTYL KETONE			2,050.0	0.0	0.0	0.0	0.0	3,587.0	5,976.0	6.0
	N-BUTYL ALCOHOL			3,350.0	0.0	0.0	0.0	0.0	8,633.0	12,944.0	734.0
	TERT-BUTYL ALCOHOL			250.0	0.0	0.0	0.0	0.0	0.0	4,043.0	56.0
	TOLUENE			8,350.0	0.0	0.0	0.0	0.0	9,056.0	13,340.0	2,690.0
	XYLENE (MIXED ISOMERS)			7,205.0	0.0	0.0	0.0	0.0	8,133.0	38,520.0	3,015.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	ZINC COMPOUNDS			250.0	0.0	0.0	0.0	250.0	1,456.0	0.0	0.0
	<b>U.S. RINGBINDER</b>						<b>ST. LOUIS</b>				
	TRICHLOROETHYLENE			8,651.0	0.0	0.0	0.0	897.0	0.0	0.0	5.0
	<b>WILLERT HOME PRODUCTS</b>						<b>ST. LOUIS</b>				
	1,4-DICHLOROBENZENE			766.0	0.0	0.0	0.0	0.0	1,300,000.0	0.0	3,448.0
<b>ST. LOUIS COUNTY</b>											
	<b>ALLIED AVIATION FUELING CO., INC.</b>						<b>ST. LOUIS</b>				
	1,2,4-TRIMETHYLBENZENE			11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	BENZENE			81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CYCLOHEXANE			11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ETHYLBENZENE			12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL TERT-BUTYL ETHER			64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N-HEXANE			11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NAPHTHALENE			35.0	0.0	5.0	0.0	1.0	0.0	1,286.0	0.0
	TOLUENE			100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			45.0	0.0	5.0	0.0	5.0	0.0	512.0	0.0
	<b>AMERENUE MERAMEC POWER PLANT</b>						<b>ST. LOUIS</b>				
	BARIUM COMPOUNDS			14,403.0	1,144,396.0	24.0	0.0	0.0	0.0	0.0	0.0
	CHROMIUM COMPOUNDS			722.0	41,975.0	1.0	0.0	0.0	0.0	0.0	0.0
	COPPER COMPOUNDS			326.0	20,821.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			57,885.0	0.0	0.0	0.0	0.0	0.0	0.0	231,541.0
	HYDROGEN FLUORIDE			153,014.0	0.0	0.0	0.0	0.0	0.0	0.0	153,014.0
	LEAD COMPOUNDS			445.9	13,528.1	0.0	0.0	60.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			607.0	27,974.0	0.0	0.0	0.0	0.0	0.0	0.0
	MERCURY COMPOUNDS			219.4	40.8	0.0	0.0	0.0	0.0	0.0	0.0
	NICKEL COMPOUNDS			453.0	17,436.0	0.0	0.0	0.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			11,678.0	0.0	0.0	0.0	0.0	0.0	0.0	14,273.0
	VANADIUM COMPOUNDS			382.0	24,811.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			1,279.0	23,417.0	1.0	0.0	0.0	0.0	0.0	0.0
	<b>ANHEUSER-BUSCH, INC.</b>						<b>ST. LOUIS</b>				

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	AMMONIA			40,895.0	0.0	0.0	0.0	35.0	0.0	0.0	5,193.0
	CHLORINE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DIOXIN AND DIOXIN-LIKE COMPOUNDS			0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROCHLORIC ACID ("AEROSOLS" ONLY)			263,311.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	HYDROGEN FLUORIDE			32,238.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			53.6	1,274.0	0.0	0.0	28.6	0.0	0.0	0.0
	MERCURY			0.8	19.5	0.0	0.0	0.0	0.5	0.0	0.0
	SULFURIC ACID ("AEROSOLS" ONLY)			147,021.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>BAUSCH &amp; LOMB</b>						<b>ST. LOUIS</b>				
	LEAD			0.3	0.0	0.0	2.0	0.0	458.0	0.0	0.0
	<b>BECTON DICKINSON ACCU-GLASS</b>						<b>ST. LOUIS</b>				
	LEAD			74.7	0.0	0.0	0.0	9,131.9	0.0	0.0	0.0
	<b>BELTSERVICE CORP.</b>						<b>EARTH CITY</b>				
	4,4'-METHYLENEBIS(2-CHLOROANILINE)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			27,742.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TRICHLOROETHYLENE			26,040.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	<b>BODINE ALUMINUM, INC.</b>						<b>ST. LOUIS</b>				
	COPPER			0.0	0.0	0.0	0.0	0.0	8,000.0	0.0	0.0
	<b>BUCKEYE INTERNATIONAL, INC.</b>						<b>MARYLAND HEIGHTS</b>				
	CERTAIN GLYCOL ETHERS			3,675.0	0.0	0.0	0.0	0.0	0.0	0.0	615.0
	DIBUTYL PHTHALATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SODIUM NITRITE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>CAMIE-CAMPBELL, INC.</b>						<b>ST. LOUIS</b>				
	DICHLOROMETHANE			5,400.0	0.0	0.0	0.0	0.0	0.0	0.0	3,200.0
	N-HEXANE			5,400.0	0.0	0.0	0.0	0.0	0.0	3,850.0	0.0
	<b>CHAS S LEWIS &amp; CO, INC.</b>						<b>ST. LOUIS</b>				
	CHROMIUM			0.0	0.0	0.0	0.0	0.0	12,888.0	0.0	0.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	14,934.0	0.0	0.0
	<b>CHEMCENTRAL/ST. LOUIS</b>						<b>MARYLAND HEIGHTS</b>				
	1,2,4-TRIMETHYLBENZENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			500.0	0.0	0.0	0.0	0.0	0.0	640.0	0.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			CYCLOHEXANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DI(2-ETHYLHEXYL) PHTHALATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIBUTYL PHTHALATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIETHANOLAMINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHANOL	255.0	0.0	0.0	0.0	0.0	0.0	220.0	0.0
			METHYL ETHYL KETONE	1,350.0	0.0	0.0	0.0	0.0	0.0	450.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	500.0	0.0	0.0	0.0	0.0	0.0	750.0	0.0
			XYLENE (MIXED ISOMERS)	500.0	0.0	0.0	0.0	0.0	0.0	240.0	0.0
			<b>CHEMSICO</b>				<b>ST. LOUIS</b>				
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CYHALOTHRIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			D-TRANS-ALLETHRIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			FLUAZIFOP BUTYL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MALATHION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MIXTURE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MYCLOBUTANIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			PERMETHRIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			PIPERONYL BUTOXIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TETRAMETHRIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			<b>COMMERCIAL PLATING CO.</b>				<b>ST. LOUIS</b>				
			CYANIDE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,351.0
			LEAD	0.0	0.0	0.0	5.0	0.0	30.0	0.0	0.0
			<b>COOPER BUSSMANN, INC.</b>				<b>ELLISVILLE</b>				
			COPPER	0.0	0.0	0.0	156.0	10,293.0	968,824.0	0.0	0.0
			LEAD COMPOUNDS	0.0	0.0	0.0	20.0	1.0	0.0	0.0	0.0
			<b>CRANE MERCHANDISING SYSTEMS</b>				<b>BRIDGETON</b>				
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	13,174.0	0.0	0.0
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	9,300.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>EAGLE PACKAGING, INC.</b>							<b>BRIDGETON</b>			
	DI(2-ETHYLHEXYL) PHTHALATE			67.0	0.0	0.0	0.0	0.0	0.0	903.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0
	<b>EATON ELECTRICAL</b>							<b>ST. LOUIS</b>			
	COPPER			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FEDERAL MOGUL - FRICTION PRODUCTS</b>							<b>BERKELEY</b>			
	CERTAIN GLYCOL ETHERS			64.0	1,956.0	0.0	0.0	2,652.0	0.0	0.0	2,341.0
	ETHYLENE GLYCOL			12.0	53.0	0.0	0.0	71.0	0.0	0.0	64.0
	<b>FINDLAY IND., INC.</b>							<b>CHESTERFIELD</b>			
	DIISOCYANATES			9,456.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FLEX-O-LITE, INC.</b>							<b>FENTON</b>			
	CHROMIUM COMPOUNDS			29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	LEAD COMPOUNDS			115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHYL ETHYL KETONE			18,116.0	0.0	0.0	0.0	0.0	0.0	2,588.0	0.0
	N-HEXANE			8,993.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			18,186.0	0.0	0.0	0.0	0.0	0.0	1,080.0	0.0
	XYLENE (MIXED ISOMERS)			6,199.0	0.0	0.0	0.0	0.0	0.0	1,081.0	0.0
	<b>FLOW CONTROLS (ALCO)</b>							<b>MARYLAND HEIGHTS</b>			
	AMMONIA			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	COPPER			0.0	0.0	0.0	0.1	0.0	126,468.0	0.0	0.0
	<b>FOAM SUPPLIES, INC.</b>							<b>EARTH CITY</b>			
	CHLORODIFLUOROMETHANE			3,544.0	0.0	0.0	0.0	250.0	0.0	0.0	0.0
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
	LEAD COMPOUNDS			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>FORD MOTOR CO. - ST. LOUIS ASSEMBLY</b>							<b>HAZELWOOD</b>			
	1,2,4-TRIMETHYLBENZENE			14,088.0	0.0	0.0	0.0	0.0	25,000.0	0.0	840.0
	BENZENE			51.0	0.0	0.0	0.0	0.0	0.0	0.0	1,000.0
	BENZO(G,H,I)PERYLENE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CERTAIN GLYCOL ETHERS			80,450.0	0.0	0.0	0.0	0.0	89.0	0.0	2,328.0
	CYCLOHEXANE			33.0	0.0	0.0	0.0	0.0	0.0	0.0	670.0
	DI(2-ETHYLHEXYL) PHTHALATE			15,000.0	0.0	0.0	0.0	150.0	0.0	0.0	0.0
	ETHYLBENZENE			48,300.0	0.0	0.0	0.0	120.0	62,000.0	0.0	3,000.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,800.0
			LEAD COMPOUNDS	0.4	0.0	0.0	0.0	1.3	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.3	0.0	0.0	670.0	9,800.0	0.0	0.0	0.0
			METHANOL	4,722.0	0.0	0.0	0.0	0.0	5.0	0.0	780.0
			METHYL ETHYL KETONE	14,072.0	0.0	0.0	0.0	0.0	15.0	0.0	920.0
			METHYL ISOBUTYL KETONE	120,600.0	0.0	0.0	0.0	0.0	230,000.0	0.0	0.0
			METHYL TERT-BUTYL ETHER	121.0	0.0	0.0	0.0	0.0	0.0	0.0	2,500.0
			N-BUTYL ALCOHOL	34,170.0	0.0	0.0	0.0	0.0	25,000.0	0.0	5,800.0
			N-HEXANE	1,424.0	0.0	0.0	0.0	0.0	0.0	0.0	1,200.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65,000.0
			POLYCYCLIC AROMATIC COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			SODIUM NITRITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39,000.0
			TOLUENE	16,150.0	0.0	0.0	0.0	0.0	25,000.0	0.0	3,500.0
			XYLENE (MIXED ISOMERS)	221,200.0	0.0	0.0	0.0	0.0	270,000.0	0.0	18,000.0
			ZINC COMPOUNDS	22.0	0.0	0.0	960.0	11,000.0	0.0	0.0	0.0
	<b>GENERAL MILLS</b>						<b>HASELWOOD</b>				
			CHLORODIFLUOROMETHANE	15,450.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	5,366.0	0.0	0.0	0.0	0.0	5,325.0	0.0	6,390.0
	<b>GKN AEROSPACE SERVICES, INC.</b>						<b>HAZELWOOD</b>				
			COPPER	5.0	0.0	5.0	5.0	103.0	77,500.0	0.0	0.0
			HYDROGEN FLUORIDE	2,205.0	0.0	0.0	0.0	0.0	0.0	0.0	11,100.0
			LEAD	0.0	0.0	7.0	2.6	63.2	449.5	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28,000.0
			NITRIC ACID	4,405.0	0.0	0.0	0.0	1,800.0	0.0	0.0	153,000.0
			TRICHLOROETHYLENE	9,600.0	0.0	0.0	0.0	0.0	0.0	23,000.0	1,000.0
	<b>HENKEL SURFACE TECHNOLOGIES</b>						<b>ST. LOUIS</b>				
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	358.0	0.0	0.0	1,019.0
			HYDROGEN FLUORIDE	3.0	0.0	0.0	0.0	0.0	0.0	0.0	979.0
			MANGANESE COMPOUNDS	6.0	0.0	0.0	12.0	1,406.0	0.0	0.0	0.0
			NICKEL COMPOUNDS	57.0	0.0	0.0	1.0	643.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	27.0	0.0	0.0	0.0	1,589.0	0.0	0.0	12,435.0
			NITRIC ACID	1.0	0.0	0.0	0.0	426.0	0.0	0.0	5,507.0
			SODIUM NITRITE	9.0	0.0	0.0	0.0	1,832.0	0.0	0.0	690.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ZINC COMPOUNDS	27.0	0.0	0.0	1.0	5,969.0	0.0	0.0	0.0
	<b>HUSSMANN CORP.</b>						<b>BRIDGETON</b>				
			CHLORODIFLUOROMETHANE	13,300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM	0.0	0.0	0.0	1.0	30.0	195,000.0	0.0	0.0
			COPPER	110.0	0.0	0.0	17.0	320.0	49,000.0	0.0	0.0
			DIISOCYANATES	4.0	0.0	0.0	0.0	500.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	4.0	40.0	82.0	0.0	0.0
			MANGANESE	4.0	0.0	0.0	0.0	15.0	146,000.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	3.0	38.0	140,000.0	0.0	0.0
	<b>J. D. STREETT &amp; CO., INC.</b>						<b>ST. LOUIS</b>				
			1,2,4-TRIMETHYLBENZENE	5.0	0.0	0.0	0.0	0.0	0.0	0.0	164.0
			BENZENE	163.2	0.0	0.0	0.0	0.0	0.0	0.0	8,856.0
			ETHYLBENZENE	15.2	0.0	0.0	0.0	0.0	0.0	0.0	765.0
			N-HEXANE	141.7	0.0	0.0	0.0	0.0	0.0	0.0	7,708.0
			TOLUENE	201.3	0.0	0.0	0.0	0.0	0.0	0.0	10,714.0
			XYLENE (MIXED ISOMERS)	59.3	0.0	0.0	0.0	0.0	0.0	0.0	2,952.0
	<b>J.D. STREETT &amp; CO.</b>						<b>ST. LOUIS</b>				
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,286.0
	<b>JOST CHEMICAL CO., INC.</b>						<b>ST. LOUIS</b>				
			AMMONIA	50.0	0.0	0.0	0.0	0.0	0.0	0.0	780.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	340.0	310.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	166,600.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	120.0	0.0	0.0	580.0	440.0	0.0	0.0	0.0
	<b>LAIRD TECHNOLOGIES (DBA ADV. PERF. MTLs.)</b>						<b>EARTH CITY</b>				
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	5,921.0	7,593.0	0.0	0.0
			FORMALDEHYDE	2.0	0.0	0.0	0.0	0.0	4,266.0	0.0	35,568.0
			NICKEL COMPOUNDS	0.0	0.0	0.0	0.0	3,932.0	15,322.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27,186.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	6,349.0	0.0	24,039.0
	<b>LHB IND.</b>						<b>BERKELEY</b>				
			BARIUM COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	755.0	0.0	0.0	0.0	0.0	4,977.0	1,233.0	0.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MAC MOLDING CO., INC.</b>						<b>ST. LOUIS</b>				
			PHENOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			STYRENE	654.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MACLAN IND., INC.</b>						<b>RIVERVIEW</b>				
			N-BUTYL ALCOHOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			STYRENE	1,603.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MARCHEM CORP.</b>						<b>MARYLAND HEIGHTS</b>				
			DIISOCYANATES	2,940.0	0.0	0.0	0.0	0.0	0.0	0.0	1,400.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	109.0	0.0	0.0	0.0	0.0	0.0	0.0	3,329.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MCDONNELL DOUGLAS CORP.</b>						<b>BERKELEY</b>				
			MERCURY	0.2	0.0	0.0	0.0	0.0	11.0	0.0	0.0
			METHYL ETHYL KETONE	17,200.0	0.0	0.0	0.0	0.0	0.0	2,900.0	520.0
			METHYL ISOBUTYL KETONE	16,600.0	0.0	0.0	0.0	0.0	0.0	5,300.0	55.0
			NITRIC ACID	2,480.0	0.0	0.0	0.0	0.0	0.0	0.0	36,300.0
			SEC-BUTYL ALCOHOL	2,100.2	0.0	0.0	0.0	0.0	0.0	8,200.0	0.0
			TOLUENE	17,500.0	0.0	0.0	0.0	0.0	0.0	5,800.0	62.0
			TRICHLOROETHYLENE	8,200.0	0.0	0.0	0.0	0.0	0.0	3,100.0	0.0
			XYLENE (MIXED ISOMERS)	12,510.0	0.0	0.0	0.0	0.0	0.0	2,700.0	35.0
	<b>METAL RECOVERY SYSTEMS, INC.</b>						<b>ST. LOUIS</b>				
			ALUMINUM (FUME OR DUST)	5,500.0	0.0	0.0	0.0	104,000.0	0.0	0.0	0.0
			COPPER	1,900.0	0.0	0.0	0.0	177,000.0	0.0	0.0	0.0
			LEAD	50.0	0.0	0.0	0.0	2,330.0	0.0	0.0	0.0
			ZINC (FUME OR DUST)	980.0	0.0	0.0	0.0	18,700.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	<b>MID STATE PAINT AND CHEMICAL CO.</b>							<b>ST. LOUIS</b>			
	CERTAIN GLYCOL ETHERS			422.0	0.0	0.0	0.0	0.0	896.0	2,025.0	0.0
	LEAD COMPOUNDS			44.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			678.0	0.0	0.0	0.0	103.0	5,039.0	0.0	0.0
	XYLENE (MIXED ISOMERS)			558.0	0.0	0.0	0.0	128.0	5,039.0	506.0	0.0
	<b>MID-STATES DAIRY</b>							<b>HAZELWOOD</b>			
	AMMONIA			9,339.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	NITRIC ACID			0.0	0.0	0.0	0.0	0.0	0.0	0.0	24,177.0
	<b>MIDCO PRODUCTS CO., INC.</b>							<b>CHESTERFIELD</b>			
	DICHLOROMETHANE			960.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TRICHLOROETHYLENE			160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>NORTH AMERICAN GALVANIZING CO.</b>							<b>ST. LOUIS</b>			
	LEAD			10.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
	ZINC COMPOUNDS			1,046.0	0.0	0.0	0.0	68,922.0	0.0	0.0	0.0
	<b>O'HARE FOUNDRY CORP.</b>							<b>MAPLEWOOD</b>			
	COPPER			500.0	0.0	0.0	0.0	5.0	5,062.0	0.0	0.0
	<b>PENNZOIL-QUAKER STATE (DBA SOPUS PRODUCTS)</b>							<b>MARYLAND HEIGHTS</b>			
	ZINC COMPOUNDS			0.0	0.0	5.0	0.0	0.0	180.0	0.0	0.0
	<b>PERFECT CIRCLE - DIVISION OF DANA CORP.</b>							<b>MANCHESTER</b>			
	LEAD COMPOUNDS			0.0	0.0	0.0	2.9	41.1	0.0	0.0	0.0
	TRICHLOROETHYLENE			109,429.0	0.0	0.0	0.0	0.0	63,661.0	0.0	5.0
	<b>PERMEA</b>							<b>MARYLAND HEIGHTS</b>			
	N-METHYL-2-PYRROLIDONE			117.0	0.0	0.0	0.0	0.0	0.0	0.0	77,630.0
	<b>PM RESOURCES, INC.</b>							<b>BRIDGETON</b>			
	COPPER COMPOUNDS			71.0	0.0	0.0	171.0	2,159.0	0.0	0.0	0.0
	PHTHALIC ANHYDRIDE			605.0	0.0	0.0	0.0	0.0	0.0	0.0	10,144.0
	TETRACHLORVINPHOS			620.0	0.0	0.0	0.0	43.0	0.0	0.0	732.0
	TETRACYCLINE HYDROCHLORIDE			0.0	0.0	0.0	0.0	1,515.0	0.0	0.0	649.0
	XYLENE (MIXED ISOMERS)			64.0	0.0	0.0	0.0	0.0	0.0	0.0	17,140.0
	ZINC COMPOUNDS			1,254.0	0.0	0.0	235.0	6,474.0	0.0	0.0	0.0
	<b>POHLMAN, INC.</b>							<b>CHESTERFIELD</b>			

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			COPPER	0.0	0.0	0.0	0.0	0.0	2,863.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	6,343.0	0.0	0.0
	<b>PRO-TECT MANUFACTURING, INC.</b>						<b>ST. LOUIS</b>				
			METHYL ETHYL KETONE	26,164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ISOBUTYL KETONE	8,071.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	22,391.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>RAVEN IND., INC.</b>						<b>EARTH CITY</b>				
			LEAD	0.5	0.0	0.0	0.0	0.0	3,120.0	0.0	0.0
	<b>REICHHOLD, INC.</b>						<b>VALLEY PARK</b>				
			4,4'-ISOPROPYLIDENEDIPHENOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	3,052.0	0.0	0.0	0.0	5.0	218.0	4,105.0	4,560.0
			DIISOCYANATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	4,477.0	0.0	0.0	0.0	48.0	92.0	27,956.0	2,178.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MALEIC ANHYDRIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ISOBUTYL KETONE	3,378.0	0.0	0.0	0.0	13.0	32.0	590.0	696.0
			N-METHYL-2-PYRROLIDONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NAPHTHALENE	5,952.0	0.0	0.0	0.0	0.0	1,326.0	471.0	2,996.0
			PHTHALIC ANHYDRIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			SEC-BUTYL ALCOHOL	2,193.0	0.0	0.0	0.0	38.0	138.0	658.0	2,849.0
			TOLUENE	1,561.0	0.0	0.0	0.0	36.0	83.0	2,149.0	1,748.0
			TOLUENE DIISOCYANATE (MIXED ISOMERS)	22.0	0.0	0.0	0.0	0.0	0.0	0.0	298.0
			XYLENE (MIXED ISOMERS)	6,720.0	0.0	0.0	0.0	151.0	308.0	109,837.0	7,891.0
	<b>RELIABLE BIOPHARMACEUTICAL CORP.</b>						<b>OVERLAND</b>				
			ACETONITRILE	556.0	0.0	0.0	0.0	0.0	0.0	10,410.0	2,277.0
			METHANOL	3,205.0	0.0	0.0	0.0	0.0	0.0	9,281.0	139,194.0
			METHYL ISOBUTYL KETONE	648.0	0.0	0.0	0.0	0.0	0.0	186.0	15,108.0
	<b>ROCKWOOD PIGMENTS NA, INC.</b>						<b>ST. LOUIS</b>				
			AMMONIA	2,000.0	0.0	0.0	0.0	0.0	0.0	0.0	1,500,000.0
			ZINC COMPOUNDS	0.0	0.0	0.0	1,400.0	28,000.0	34,000.0	0.0	0.0
	<b>ROTO-DIE CO., INC.</b>						<b>EUREKA</b>				
			COBALT COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>SIGMA-ALDRICH CORP.</b>						<b>ST. LOUIS</b>				
			AMMONIA	500.0	0.0	0.0	0.0	250.0	0.0	0.0	16,700.0
			CHLOROFORM	7,850.0	0.0	0.0	0.0	0.0	0.0	25,051.0	6,114.0
			ETHYLENE GLYCOL	5.0	0.0	0.0	0.0	0.0	0.0	0.0	6,100.0
			METHANOL	6,350.0	0.0	0.0	0.0	0.0	0.0	102,919.0	10,386.0
	<b>SINCLAIR &amp; RUSH, INC.</b>						<b>ST. LOUIS</b>				
			DI(2-ETHYLHEXYL) PHTHALATE	201.0	0.0	5.0	0.0	1,004.0	0.0	0.0	5.0
	<b>ST. LOUIS LAMP PLANT</b>						<b>ST. LOUIS</b>				
			COPPER	0.0	0.0	0.0	0.0	4,000.0	2,433.0	0.0	0.0
			LEAD COMPOUNDS	34.0	0.0	0.0	0.0	1,500.0	307,192.0	0.0	0.0
	<b>ST. LOUIS NORTH ASSEMBLY PLANT</b>						<b>FENTON</b>				
			1,2,4-TRIMETHYLBENZENE	107,000.0	0.0	0.0	0.0	3.0	5,500.0	1,500.0	59,600.0
			BENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	392,000.0	0.0	0.0	0.0	2.0	10.0	110,000.0	37,000.0
			COPPER	8.0	0.0	0.0	0.0	2.0	6.0	0.0	0.0
			CYCLOHEXANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIISOCYANATES	1.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0
			ETHYLBENZENE	8,400.0	0.0	0.0	0.0	0.0	14,000.0	140.0	97.0
			ETHYLENE GLYCOL	280.0	0.0	0.0	0.0	0.0	0.0	0.0	420.0
			LEAD	1.1	0.0	0.0	0.0	6.6	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	440.0	6,300.0	0.0	0.0	0.0
			METHANOL	550.0	0.0	0.0	0.0	9.0	0.0	110.0	0.0
			METHYL ISOBUTYL KETONE	25,600.0	0.0	0.0	0.0	0.0	50,000.0	140.0	69.0
			METHYL TERT-BUTYL ETHER	105.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0
			N-BUTYL ALCOHOL	77,000.0	0.0	0.0	0.0	7.0	195.0	0.0	120,000.0
			N-HEXANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-METHYL-2-PYRROLIDONE	54,700.0	0.0	0.0	0.0	3.0	88.0	250.0	39,000.0
			NICKEL COMPOUNDS	0.0	0.0	0.0	770.0	5,800.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	7.0	0.0	26,000.0
			NITRIC ACID	26.0	0.0	0.0	0.0	0.0	0.0	0.0	2,500.0



COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			SODIUM NITRITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,400.0
			TOLUENE	780.0	0.0	0.0	0.0	12.0	0.0	0.0	120.0
			XYLENE (MIXED ISOMERS)	54,000.0	0.0	0.0	0.0	0.0	78,000.0	540.0	558.0
			ZINC COMPOUNDS	0.0	0.0	0.0	460.0	17,420.0	1.0	0.0	0.0
	<b>ST. LOUIS SOUTH ASSEMBLY PLANT</b>						<b>FENTON</b>				
			1,2,4-TRIMETHYLBENZENE	61,100.0	0.0	0.0	0.0	1,302.0	48.0	2,200.0	15,150.0
			CERTAIN GLYCOL ETHERS	86,500.0	0.0	0.0	0.0	3,336.0	34.0	13,000.0	24,200.0
			COPPER	750.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
			DIISOCYANATES	14.0	0.0	0.0	0.0	220.0	330.0	6.0	0.0
			ETHYLBENZENE	1,910.0	0.0	0.0	0.0	56.0	0.0	280.0	6.0
			ETHYLENE GLYCOL	182.0	0.0	0.0	0.0	0.0	0.0	0.0	410.0
			LEAD	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	0.0	0.0	0.0	500.0	7,100.0	0.0	0.0	0.0
			METHANOL	5,404.0	0.0	0.0	0.0	250.0	0.0	120.0	0.0
			METHYL ISOBUTYL KETONE	4,680.0	0.0	0.0	0.0	85.0	0.0	590.0	24.0
			METHYL TERT-BUTYL ETHER	174.0	0.0	0.0	0.0	0.0	0.0	53.0	0.0
			N-BUTYL ALCOHOL	46,400.0	0.0	0.0	0.0	2.0	66.0	2.0	20,000.0
			N-METHYL-2-PYRROLIDONE	11.0	0.0	0.0	0.0	0.0	0.0	360.0	0.0
			NICKEL COMPOUNDS	0.0	0.0	0.0	590.0	4,400.0	0.0	0.0	0.0
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	7.0	0.0	0.0	49,000.0
			NITRIC ACID	1.0	0.0	0.0	0.0	0.0	0.0	0.0	140.0
			SODIUM NITRITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,200.0
			TOLUENE	6,163.0	0.0	0.0	0.0	264.0	0.0	82.0	0.0
			XYLENE (MIXED ISOMERS)	10,800.0	0.0	0.0	0.0	310.0	0.0	1,100.0	44.0
			ZINC COMPOUNDS	5.0	0.0	0.0	470.0	18,832.0	11.0	0.0	0.0
	<b>STERIS CORP.</b>						<b>ST. LOUIS</b>				
			2-PHENYLPHENOL	0.0	0.0	0.0	0.0	4,985.0	0.0	0.0	321.0
	<b>SUPERIOR SOLVENTS &amp; CHEMICALS</b>						<b>ST. LOUIS</b>				
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIBUTYL PHTHALATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DICHLOROMETHANE	1,725.0	0.0	0.0	0.0	0.0	130.0	0.0	0.0
			DIETHANOLAMINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLENE GLYCOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHANOL	2,468.0	0.0	0.0	0.0	0.0	387.0	0.0	0.0
			METHYL ETHYL KETONE	422.0	0.0	0.0	0.0	0.0	120.0	0.0	0.0
			METHYL ISOBUTYL KETONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-BUTYL ALCOHOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-HEXANE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-METHYL-2-PYRROLIDONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			STYRENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TETRACHLOROETHYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	1,210.0	0.0	0.0	0.0	0.0	257.0	0.0	0.0
			TRICHLOROETHYLENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>THERMAL SCIENCE, INC.</b>						<b>FENTON</b>				
			METHYL ETHYL KETONE	1,947.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	19,193.0	0.0	0.0	0.0	0.0	0.0	4,414.0	0.0
	<b>TRI TECH</b>						<b>ST. LOUIS</b>				
			CERTAIN GLYCOL ETHERS	940.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ETHYL KETONE	1,200.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			METHYL ISOBUTYL KETONE	720.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			N-BUTYL ALCOHOL	1,050.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	2,200.0	0.0	0.0	0.0	0.0	0.0	69,750.0	0.0
			XYLENE (MIXED ISOMERS)	2,230.0	0.0	0.0	0.0	0.0	0.0	69,750.0	0.0
	<b>TRILLA-NESCO CORP.</b>						<b>FENTON</b>				
			ETHYLBENZENE	271.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0
			METHYL ETHYL KETONE	8,580.0	0.0	0.0	0.0	0.0	0.0	5,331.0	0.0
	<b>TRUE MFG. CO., INC.</b>						<b>OLIVETTE</b>				
			CHLORODIFLUOROMETHANE	2,259.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIISOCYANATES	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>UNIVAR USA INC.</b>						<b>BERKELEY</b>				
			CERTAIN GLYCOL ETHERS	65.0	0.0	0.0	0.0	0.0	0.0	200.0	0.0
			FORMIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			METHANOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NITRIC ACID	36.0	0.0	0.0	0.0	0.0	0.0	0.0	5,400.0
	<b>WATLOW</b>						<b>ST. LOUIS</b>				
			1,2,4-TRIMETHYLBENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			BENZENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CHROMIUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			COPPER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			CUMENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WEXFORD LABS, INC.</b>						<b>KIRKWOOD</b>				
			2-PHENYLPHENOL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>WHITMIRE MICRO-GEN RESEARCH LAB., INC.</b>						<b>ST. LOUIS</b>				
			CYFLUTHRIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			PIPERONYL BUTOXIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>STE. GENEVIEVE</b>										
	<b>CHEMICAL LIME CO.</b>						<b>STE. GENEVIEVE</b>				
			BARIUM COMPOUNDS	13.0	1,092.0	0.0	0.0	0.0	0.0	0.0	0.0
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	32,404.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	0.0	2,129.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>MISSISSIPPI LIME CO.</b>						<b>STE. GENEVIEVE</b>				
			DIOXIN AND DIOXIN-LIKE COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			HYDROCHLORIC ACID ("AEROSOLS" ONLY)	101,439.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			LEAD COMPOUNDS	539.4	692.9	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	36.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL COMPOUNDS	654.0	10,764.0	0.0	0.0	0.0	0.0	0.0	0.0
			SULFURIC ACID ("AEROSOLS" ONLY)	183,307.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC COMPOUNDS	2,364.0	10,985.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
STODDARD											
	AMES TRUE TEMPER	IXL DIVISION						BERNIE			
	STYRENE			2,570.0	0.0	0.0		0.0	0.0	0.0	0.0
	ARVINMERITOR, DEXTER	FACILITY						DEXTER			
	CHROMIUM			651.0	0.0	0.0		0.0	0.0	0.0	0.0
	NICKEL			26.0	0.0	0.0		0.0	0.0	0.0	0.0
	ASA ASPHALT, INC.							ADVANCE			
	BENZO(G,H,I)PERYLENE			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	POLYCYCLIC AROMATIC COMPOUNDS			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	HORIZON MUSIC/ RAPCO							ADVANCE			
	LEAD COMPOUNDS			0.0	0.0	0.0		0.0	39.0	0.0	0.0
	SEMO READY MIX							PUXICO			
	ETHYLENE GLYCOL			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	ETHYLENE GLYCOL			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	FORMALDEHYDE			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	FORMALDEHYDE			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	SODIUM O-PHENYLPHENOXIDE			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	SODIUM O-PHENYLPHENOXIDE			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	TYSON FOODS, INC.- DEXTER	FEEDMILL						DEXTER			
	COPPER COMPOUNDS			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	MANGANESE COMPOUNDS			0.0	0.0	0.0		0.0	0.0	0.0	0.0
	ZINC COMPOUNDS			0.0	0.0	0.0		0.0	0.0	0.0	0.0
SULLIVAN											
	PREMIUM STANDARD FARMS							MILAN			
	AMMONIA			250.0	0.0	250.0		0.0	340.0	0.0	35,766.0
	CHLORINE			0.0	0.0	981.0		0.0	0.0	0.0	7,938.0
	LEAD			0.0	0.0	0.0		0.0	0.0	9,240.0	0.0
	NITRATE COMPOUNDS			0.0	0.0	109,201.0		0.0	0.0	0.0	250,733.0
TANEY											
	CONCRETE CO. OF THE OZARKS							HOLLISTER			

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			LEAD COMPOUNDS	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MERCURY COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>ROYAL OAK ENTERPRISES, INC.</b>						<b>BRANSON</b>				
			SODIUM NITRITE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>TEXAS</b>											
	<b>CRAIG INDUSTRIAL</b>						<b>SUMMERSVILLE</b>				
			METHANOL	2,385,936.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>DAIRY FARMERS OF AMERICA, INC.</b>						<b>CABOOL</b>				
			NITRATE COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	140,796.0
			NITRIC ACID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	143,043.0
	<b>THOMAS CHARCOAL (Leased to ROYAL OAK ENT.)</b>						<b>RAYMONDVILLE</b>				
			METHANOL	1,127,376.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>VERNON</b>											
	<b>3M CO. - NEVADA</b>						<b>NEVADA</b>				
			ANTIMONY COMPOUNDS	0.0	0.0	0.0	0.0	4,250.0	10.0	0.0	0.0
			CERTAIN GLYCOL ETHERS	1,000.0	0.0	0.0	0.0	0.0	0.0	0.0	59,000.0
			CHROMIUM COMPOUNDS	0.0	0.0	0.0	1.0	3,000.0	300.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	2.0	43.0	13.0	13,000.0	0.0	0.0
			ETHYLBENZENE	22,500.0	0.0	0.0	0.0	0.0	790,000.0	0.0	605,000.0
			LEAD COMPOUNDS	0.0	0.0	0.0	0.0	10,200.0	1,100.0	0.0	0.0
			METHANOL	230.0	0.0	0.0	0.0	0.0	0.0	0.0	39,000.0
			METHYL ETHYL KETONE	67,600.0	0.0	0.0	0.0	0.0	4,200,000.0	0.0	1,900,000.0
			METHYL ISOBUTYL KETONE	3,200.0	0.0	0.0	0.0	0.0	0.0	0.0	190,660.0
			N-BUTYL ALCOHOL	3,000.0	0.0	0.0	0.0	0.0	0.0	0.0	130,000.0
			N-METHYL-2-PYRROLIDONE	520.0	0.0	0.0	0.0	0.0	0.0	0.0	22,000.0
			TOLUENE	36,011.0	0.0	0.0	0.0	0.0	150,000.0	0.0	2,981,000.0
			XYLENE (MIXED ISOMERS)	83,100.0	0.0	0.0	0.0	0.0	3,300,000.0	0.0	3,100,000.0
			ZINC COMPOUNDS	0.0	0.0	14.0	12.0	6,600.0	0.0	0.0	0.0
	<b>NEVADA FEED MILL</b>						<b>NEVADA</b>				
			COPPER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			ZINC (FUME OR DUST)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
WARREN											
	HOLLAND USA						WARRENTON				
	ETHYLBENZENE			2,643.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	LEAD			979.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MANGANESE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHANOL			3,060.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	METHYL ETHYL KETONE			436.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	NICKEL			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			11,407.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	XYLENE (MIXED ISOMERS)			11,407.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
	WARCO MFG. CO., INC.						MARTHASVILLE				
	COPPER			10.0	0.0	0.0	0.0	0.0	30,000.0	0.0	0.0
WASHINGTON											
	BUCKMAN LABORATORIES, INC.						CADET				
	1,2-DICHLOROETHANE			278.0	0.0	0.0	0.0	0.0	0.0	42,008.0	1,118.0
	1,4-DIOXANE			40.0	0.0	11.0	0.0	0.0	0.0	66,756.0	1,705.0
	AMMONIA			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	BIS(2-CHLOROETHYL) ETHER			102.0	0.0	9.0	0.0	0.0	0.0	3,582.0	852.0
	BROMINE			20.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
	CARBON DISULFIDE			9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DAZOMET			50.0	0.0	0.0	0.0	43,415.0	0.0	0.0	3,667.0
	DIMETHYLAMINE			278.0	0.0	0.0	0.0	0.0	0.0	0.0	520.0
	DISODIUM CYANODITHIOIMIDOCARBONATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	EPICHLOROHYDRIN			12.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0
	FORMALDEHYDE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	METHAM SODIUM			0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0
	OZONE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	POTASSIUM DIMETHYLDITHIOCARBAMATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	POTASSIUM N-METHYLDITHIOCARBAMATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SODIUM DIMETHYLDITHIOCARBAMATE			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RED WING SHOE CO.						POTOSI				
	DIISOCYANATES			0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,127.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
			N-METHYL-2-PYRROLIDONE	10.0	0.0	0.0	0.0	0.0	15,701.0	0.0	0.0
<b>WAYNE</b>											
			G.S. ROOFING PRODUCTS CO., INC.					PIEDMONT			
			CHROMIUM COMPOUNDS	255.0	750.0	0.0	0.0	250.0	0.0	0.0	0.0
			ZINC COMPOUNDS	255.0	750.0	0.0	0.0	250.0	0.0	0.0	0.0
<b>WEBSTER</b>											
			HUTCHENS IND., INC.					SEYMOUR			
			CERTAIN GLYCOL ETHERS	17,546.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TYLER PIPE CO.					MARSHFIELD			
			CHROMIUM	0.0	5.0	0.0	0.0	5.0	91,956.0	0.0	0.0
			MANGANESE	0.0	5.0	0.0	0.0	5.0	8,654.0	0.0	0.0
			NICKEL	0.0	5.0	0.0	0.0	5.0	40,085.0	0.0	0.0
			WILCORP IND., INC.					MARSHFIELD			
			METHYL ETHYL KETONE	50.0	0.0	0.0	0.0	0.0	0.0	0.0	76,000.0
			N-HEXANE	20.0	0.0	0.0	0.0	0.0	0.0	0.0	550.0
			TOLUENE	10.0	0.0	0.0	0.0	0.0	0.0	0.0	5,700.0
			ZINC COMPOUNDS	0.0	0.0	0.0	0.0	310.0	2.0	0.0	0.0
			YORK CASKET					MARSHFIELD			
			CHROMIUM COMPOUNDS	100.0	0.0	0.0	0.0	4,920.0	19,634.0	0.0	0.0
			COPPER COMPOUNDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MANGANESE COMPOUNDS	11.0	0.0	0.0	0.0	546.0	2,000.0	0.0	0.0
			METHYL ETHYL KETONE	26,600.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			MOLYBDENUM TRIOXIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			NICKEL COMPOUNDS	45.0	0.0	0.0	0.0	2,000.0	8,800.0	0.0	0.0
			PHOSPHORUS (YELLOW OR WHITE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			TOLUENE	29,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			XYLENE (MIXED ISOMERS)	11,900.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>WRIGHT</b>											
			BEEHLER CORP.					MOUNTAIN GROVE			
			CHROMIUM	250.0	0.0	0.0	0.0	250.0	5,000.0	0.0	0.0
			MANGANESE	250.0	0.0	0.0	0.0	250.0	8,000.0	0.0	0.0

COUNTY	FACILITY	CITY	CHEMICAL	On- and Off-site Releases					On- and Off-site Waste Mgmt		
				AIR	LAND	WATER	POTW	DISP	RECYCLE	ENERGY	TRMT
	NICKEL			250.0	0.0	0.0	0.0	250.0	5,500.0	0.0	0.0
	<b>HUTCHENS IND., INC.</b>							<b>MANSFIELD</b>			
	CERTAIN GLYCOL ETHERS			24,119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOLUENE			12,851.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	<b>LAMSON &amp; SESSIONS</b>							<b>MOUNTAIN GROVE</b>			
	LEAD COMPOUNDS			0.8	0.0	0.0	0.0	164.9	0.0	0.0	0.0



## **APPENDIX D**

### **COMMON USES OF TOXIC CHEMICALS and THEIR POTENTIAL HAZARDS**

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## Appendix D

### COMMON USES OF TOXIC CHEMICALS AND THEIR POTENTIAL HAZARDS

The following information is presented as a quick-reference summary of information for some of the toxic chemicals that are reported by TRI facilities. It is not a detailed discussion of the uses or potential hazards posed by the chemicals. This information is from *Hazardous Substance Fact Sheets* provided by the New Jersey Department of Health and distributed by the U. S. Environmental Protection Agency, Computer Aided Management of Emergency Operations and from *A Comprehensive Guide to the Hazardous Properties of Chemical Substances* by Dr. Pradyot Patnaik. The reader should consult chemicals or toxicology reference materials to learn more about the substances presented in this summary. This list of chemicals was compiled by the Minnesota Emergency Response Commission.

**Acetaldehyde:** Used as a liquid in making acetic acid, pyridine, pentaerythritol, peracetic acid and related chemicals. It occurs naturally in ripe fruit, coffee and cigarette smoke.

*Hazard:* Inhalation can irritate respiratory system, affect the cardiovascular system; liquid or vapor irritates skin and eyes.

**Aluminum (Fume or Dust):** Used as a powder in paints and protective coatings, as a catalyst and in rocket fuel.

*Hazard:* Fine powders form flammable and explosive mixtures in air and with powerful oxidants; moderately flammable by heat, flame or chemical reaction with oxidizers.

**Ammonia:** Used in making fertilizers, explosives, plastics, dyes and textiles.

*Hazard:* Moderately flammable; inhalation may irritate lungs; can irritate nose, eyes, mouth and throat; exposure to concentrated fumes can be fatal.

**n-Butyl Alcohol:** Liquid used as a solvent for fats, waxes, shellacs, resins, gums and varnishes.

*Hazard:* Flammable liquid and fire hazard; can damage liver, kidneys, hearing and sense of balance; can cause eye irritation and headaches, irritation to nose and throat may occur.

**Carbon Disulfide:** Liquid used to make rayon, agricultural fumigants, rubber chemicals and cellulose; clean metal surfaces and extract olive oil.

*Hazard:* Adversely effects the nervous system; dizziness, headaches, blurred vision, agitation, convulsions, coma and death; vapor irritates the nose and throat; liquid causes chemical burns, damage to eyes.

**Chloroform:** Used as a cleansing agent, manufacture of refrigerant and fire extinguishers.

*Hazard:* Dizziness, light-headedness, dullness, hallucination, nausea, headache, fatigue and anesthesia.

**Copper and Compounds:** Used in electrical wiring, plumbing, compounds used in fumigants, pesticides, electroplating, paint pigments and catalysts.

*Hazard:* Irritants; some compounds highly toxic; degree of toxicity dependent on compound, exposure and method of entry into the body.

**Di (2-ethylhexyl) phthalate:** Used to make plastics, products found in homes, automobiles, medical and packaging industries.

*Hazard:* It is a carcinogen and teratogen; short term exposure may cause irritation to eyes, nose and throat; long term exposure may cause liver cancer; may damage testes, kidneys and liver; may cause numbness and tingling in the arms and legs.

**Dichloromethane:** Industrial solvent and paint stripper; in aerosol and pesticide products; used in photographic film productions and in food, furniture and plastics processing.

*Hazard:* Carcinogen; lung irritant; inhalation can cause headaches, fatigue and drunk behavior.

**Ethyl Benzene:** A solvent, intermediate in the production of styrene.

*Hazard:* Has a mild toxicity by inhalation and intraperitoneal routes; an eye and skin irritant.

**Ethylene Benzene:** In anti-freeze, paints, laminates, auto brake fluids, ink, tobacco and wood stains and used to de-ice aircraft wings.

*Hazard:* Teratogen; highly toxic by ingestion or inhalation.

**Formaldehyde:** Used in manufacture of phenolic resins, cellulose esters, artificial silks, dyes, explosives and organic chemicals; also germicide, fungicide and disinfectant; in tanning, adhesives, waterproofing fabrics, and tonic and chrome printing in photography.

*Hazard:* Can injure eyes, skin and respiratory system; is a mutagen, teratogen and probably carcinogenic.

**Glycol Ethers:** Solvents.

*Hazard:* Toxic by inhalation, ingestion or skin absorption; irritating to eyes, nose, throat and skin.

**Hexane:** Chief constituent of petroleum ether, gasoline and rubber solvent; also solvent for adhesives, vegetable oils, in organic analysis; and denaturing alcohols.

*Hazard:* May produce distorted vision, hallucination, headache, dizziness, nausea and irritation of eyes and throat.

**Hydrochloric Acid:** Metal cleaning and pickling, food processing and general cleaners.

*Hazard:* Very corrosive, toxic by ingestion or inhalation; can irritate mouth, nose and throat.

**Hydrogen Fluoride:** Used as a catalyst in petroleum industry, fluorination process in aluminum industry, make fluorides, separation of uranium isotopes, making plastics and production of dyes.

*Hazard:* Is corrosive; can irritate nose, throat and lungs, can cause pulmonary edema, can cause severe burns to skin and eyes; may damage kidneys and liver.

**Lead and Compounds:** In batteries, gasoline additives, ammunition, piping and radiation shielding.

*Hazard:* Poison by ingestion, can cause brain damage, particularly in children; suspected carcinogen of the lungs and kidneys.

**Manganese and Compounds:** Used in aluminum production, steel making and dry cell batteries, compounds used for varnishes, fertilizers and food additives.

*Hazard:* Dust is flammable and moderately explosive; toxic by inhalation.

**Methanol:** Solvent, cleaner and fuel.

*Hazard:* Highly flammable, ingestion can cause blindness; has a mild toxicity by inhalation.

**Methyl Ethyl Ketone:** Solvent in making plastics, textiles, paint removers and adhesives.

*Hazard:* flammable, explosive; toxic by inhalation; a strong irritant; has a moderate toxicity by ingestion.

**Methyl Isobutyl Ketone:** Solvent for paints, varnishes, nitrocellulose lacquers, gun and resins.

*Hazard:* Flammable, poison by intraperitoneal route, has a moderate toxicity by ingestion or inhalation; very irritating to eyes, skin and mucous membranes; narcotic in high concentrations.

**Nickel and Compounds:** Used in alloys and electroplating, catalysts, dyes and textile printing.

*Hazard:* Carcinogenic and poisonous.

**Nitrate Compounds:** Accelerates the burning of combustible materials; if involved in a fire an explosion may result, may react violently with fuels.

*Hazard:* May cause burns to skin and eyes; may produce irritating or poisonous gasses.

**Nitric Acid:** Used in making fertilizers, dyes, explosives, metallurgy and etching steel.

*Hazard:* Corrosive, powerful oxidizer; flammable by chemical reaction with reducing agent; produces toxic fumes when heated to decomposition; corrosive to eyes, skin, mucous membranes and teeth; experimental teratogen; delays pulmonary edema.

**Styrene:** Used in the manufacture of polystyrene, resins, protective coatings, plastics, synthetic rubber and an insulator.

*Hazard:* Toxic by ingestion and inhalation; can react vigorously with oxidizing agents; emits acrid smoke and irritating fumes when heated to decomposition.

**Sulfuric Acid:** In fertilizers, chemicals, dyes, rayon and film; widely used by metals industry.

*Hazard:* Moderately toxic by ingestion; a severe eye irritant, extremely irritating, corrosive and toxic to tissue.

**Tetrachloroethylene:** Used as a solvent, in dry-cleaning and metal degreasing.

*Hazard:* Can produce headaches, dizziness, drowsiness, incoordination, irritation to eyes, nose and throat; flushing of neck and face.

**Toluene:** Solvent for perfumes, medicines, dyes, explosives, detergents, aviation gasoline and other chemicals.

*Hazard:* Highly flammable and explosive; toxic by ingestion, inhalation and skin contact.

**1,1,1-Trichloroethane:** Solvent for cleaning precision instruments; also in pesticides and textiles.

*Hazard:* Suspected carcinogen, irritating to eyes and skin; has a mild toxicity by ingestion, inhalation and skin contact.

**Trichloroethylene:** Cleaning electronic parts and diluting paints; also in degreasers and fumigants; aerospace industries use it to flush liquid oxygen.

*Hazard:* Carcinogenic, has a mild toxicity by ingestion and inhalation.

**1,2,4-Trimethyl Benzene:** Used in the manufacture of dyes and pharmaceuticals.

*Hazard:* Moderately toxic by intraperitoneal route; mildly toxic by inhalation; can cause nervous system depression, anemia and bronchitis; flammable when exposed to heat, flame or oxidizers.

**Xylene:** Used as solvents and in making drugs, dyes, insecticides and gasoline.

*Hazard:* Flammable, mildly toxic by ingestion and inhalation.

**Zinc and Compounds:** Used as a coating on iron and steel, in making brass metal alloys, car parts, electroplating, batteries, electrical products, paints and fumigants.

*Hazard:* Zinc dust is flammable and a human skin irritant.

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# **APPENDIX E**

## **SOURCE REDUCTION ACTIVITY CODES**

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## Appendix E

### SOURCE REDUCTION ACTIVITY CODES

#### Good Operating Practices

- W13 Improved maintenance scheduling, record keeping or procedures
- W14 Changed production schedule to minimize equipment and feedstock changeovers
- W19 Other changes in operating practices

#### Inventory Control

- W21 Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life
- W22 Began to test outdated material – continue to use if still effective
- W23 Eliminated shelf-life requirements for stable materials
- W24 Instituted better labeling procedures
- W25 Instituted clearinghouse to exchange materials that would otherwise be discarded
- W29 Other changes in inventory control

#### Spill and Leak Prevention

- W31 Improved storage or stacking procedures
- W32 Improved procedures for loading, unloading and transfer operations
- W33 Installed overflow alarms or automatic shut-off valves
- W35 Installed vapor recovery systems
- W36 Implemented inspection or monitoring program of potential spill or leak sources
- W39 Other changes made in spill and leak prevention

#### Raw Material Modifications

- W41 Increased purity of raw materials
- W42 Substituted raw materials
- W49 Other raw material modifications

#### Process Modifications

- W51 Instituted recirculation within a process

#### Process Modifications (cont.)

- W52 Modified equipment, layout or piping
- W53 Use of a different process catalyst
- W54 Instituted better controls on operating bulk containers to minimize discarding of empty containers
- W55 Changed from small volume containers to bulk containers to minimize discarding of empty containers
- W58 Other process modifications

#### Cleaning and Degreasing

- W59 Modified stripping/cleaning equipment
- W60 Changed to mechanical stripping/cleaning devices (from solvents or other materials)
- W61 Changed to aqueous cleaners (from solvents or other materials)
- W63 Modified containment procedures for cleaning units
- W64 Improved draining procedures
- W65 Redesigned parts racks to reduce drag out
- W66 Modified or installed rinse systems
- W67 Improved rinse equipment design
- W68 Improved rinse equipment operation
- W71 Other cleaning and degreasing modifications

#### Surface Preparation and Finishing

- W72 Modified spray systems or equipment
- W73 Substituted coating materials used
- W74 Improved application techniques
- W75 Changed from spray to other system
- W78 Other surface preparation and finishing modifications

#### Product Modifications

- W81 Changed product specifications
- W82 Modified design or composition of products
- W83 Modified packaging
- W89 Other product modifications

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## **APPENDIX F**

### **SOURCE REDUCTION ACTIVITY by COUNTY by COMPANY**

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## Appendix F - Source Reduction Activity by County by Company

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
AUDRAIN							
TRUE MFG. CO., INC.		MEXICO					
	CHLORODIFLUOROMETHANE		TRI	W82			
BUCHANAN							
AG PROCESSING, INC.		ST. JOSEPH					
	N-HEXANE		TRI	W58			
HILLYARD IND., INC.		ST. JOSEPH					
	CERTAIN GLYCOL ETHERS		TRI	W42	W82		
	ETHYLENE GLYCOL		TRI	W42	W82		
OMNIUM		ST. JOSEPH					
	2,4-D		TRI	W14			
	ARSENIC		METAL	W14			
	ATRAZINE		TRI	W14			
	BROMOXYNIL OCTANOATE		TRI	W14			
	CUMENE		TRI	W14			
	DIURON		TRI	W14			
	N-METHYL-2-PYRROLIDONE		TRI	W14			
	PROMETRYN		TRI	W14			
	SIMAZINE		TRI	W14			
	SODIUM DICAMBA		TRI	W14			

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
SILGAN CONTAINERS MFG. CORP.	TRICHLORFON	ST. JOSEPH	TRI	W14			
	TRIFLURALIN		PBT	W14			
	XYLENE (MIXED ISOMERS)		TRI	W14			
	1,2,4-TRIMETHYLBENZENE		TRI	W13	W42		
	CERTAIN GLYCOL ETHERS		TRI	W13	W42		
	METHYL ISOBUTYL KETONE		TRI	W13	W42		
	N-BUTYL ALCOHOL		TRI	W13	W42		
CASS	XYLENE (MIXED ISOMERS)		TRI	W13	W42		
EAGLE PICHER PHARMACEUTICAL SERV	DICHLOROMETHANE	HARRISONVILLE	TRI	W49			
SOUTHEAST WOOD	ARSENIC COMPOUNDS	PLEASANT HILL	METAL	W81			
	CHROMIUM COMPOUNDS (EXCEPT FOR C		METAL	W81			
UNIVERSAL FOREST PRODUCTS, INC.	LEAD	HARRISONVILLE	PBT/METAL	W42			
CLAY							
ADM PROCESSING	N-HEXANE	NORTH KANSAS CITY	TRI	W13			
DOUGLAS PRODUCTS & PACKAGING CO.		LIBERTY					
	MALATHION		TRI	W13	W31	W32	W83
	METHANOL		TRI	W13	W31	W32	W83



				SOURCE REDUCTION ACTIVITY CODES			
FACILITY NAME	CHEMICAL NAME	CITY	CLASS	FIRST	SECOND	THIRD	FOURTH
SERICOL, INC.		NORTH KANSAS CITY					
	1,2,4-TRIMETHYLBENZENE		TRI	W61			
	LEAD COMPOUNDS		PBT/METAL	W42			
VERTEX PLASTICS, INC.		KEARNEY					
	STYRENE		TRI	W73			
DUNKLIN							
EMERSON ELECTRIC CO.		KENNETT					
	CHROMIUM		METAL	W13	W31		
	COBALT		METAL	W31			
	COPPER		METAL	W13			
	DIISOCYANATES		TRI	W13			
	ETHYLBENZENE		TRI	W19			
	LEAD		PBT/METAL	W13			
	MANGANESE		METAL	W13			
	N-BUTYL ALCOHOL		TRI	W19	W22	W29	W52
	NICKEL		METAL	W13			
	XYLENE (MIXED ISOMERS)	TRI	W19	W29	W74		
FRANKLIN							
MERAMEC GROUP		SULLIVAN					
	DIBUTYL PHTHALATE		TRI	W42			
	LEAD		PBT/METAL	W42			
GREENE							
CARLISLE POWER TRANSMISSION PROD		SPRINGFIELD					

				SOURCE REDUCTION ACTIVITY CODES			
FACILITY NAME	CHEMICAL NAME	CITY	CLASS	FIRST	SECOND	THIRD	FOURTH
KRAFT FOODS GLOBAL, INC.	DIISOCYANATES	SPRINGFIELD	TRI	W75			
	TOLUENE		TRI	W14	W42	W82	
	ZINC COMPOUNDS		METAL	W14	W22		
	NITRATE COMPOUNDS		TRI	W42			
	NITRIC ACID		TRI	W42			
PURE-FLO PRECISION		SPRINGFIELD					
	CHROMIUM		METAL	W23			
	NICKEL		METAL	W23			
HOWELL							
MARATHON ELECTRIC		WEST PLAINS					
	COPPER		METAL	W13			
	MANGANESE		METAL	W13			
IRON							
THE DOE RUN CO. GLOVER SMELTER		GLOVER					
	ALUMINUM (FUME OR DUST)		METAL	W13	W52		
	ANTIMONY COMPOUNDS		METAL	W13	W52		
	ARSENIC COMPOUNDS		METAL	W13	W52		
	CADMIUM COMPOUNDS		METAL	W13	W52		
	COBALT COMPOUNDS		METAL	W13	W52		
	COPPER COMPOUNDS		METAL	W13	W52		
	LEAD COMPOUNDS		PBT/METAL	W13	W32	W52	
	NICKEL COMPOUNDS		METAL	W13	W52		
	SILVER COMPOUNDS		METAL	W13	W52		

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
	ZINC COMPOUNDS		METAL	W13	W52		
<b>JACKSON</b>							
NEW SURFACE, LLC		KANSAS CITY					
	STYRENE		TRI	W23	W72		
PERMACEL KANSAS CITY, INC.		KANSAS CITY					
	ZINC COMPOUNDS		METAL	W22	W49	W55	
ROTODYNE ROLL GROUP		KANSAS CITY					
	DI(2-ETHYLHEXYL) PHTHALATE		TRI	W42			
<b>JASPER</b>							
ABLE MANUFACTURING & ASSEMBLY, L		JOPLIN					
	STYRENE		TRI	W22	W72		
	STYRENE		TRI	W22	W72		
	TOLUENE		TRI	W22	W72		
DYNO NOBEL, INC. - CARTHAGE PLANT		CARTHAGE					
	AMMONIA		TRI	W19	W36		
	ETHYLENE GLYCOL		TRI	W19	W33		
	NITRATE COMPOUNDS		TRI	W19	W51		
	NITRIC ACID		TRI	W19			
	NITROGLYCERIN		TRI	W19	W51	W58	
<b>JOHNSON</b>							
ENERSYS ENERGY PROD., INC. (formerly		WARRENSBURG					
	LEAD COMPOUNDS		PBT/METAL	W13	W24	W36	W42

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
LAWRENCE							
BCP INGREDIENTS, INC.		VERONA					
	METHANOL		TRI	W52			
POSITRONIC IND., INC.		MT. VERNON					
	LEAD		PBT/METAL	W13	W19		
SILGAN CONTAINERS MFG. CORP.		MOUNT VERNON					
	CERTAIN GLYCOL ETHERS		TRI	W13			
LINCOLN							
BODINE ALUMINUM, INC.		TROY					
	COPPER		METAL	W58			
	PHENOL		TRI	W19			
	SULFURIC ACID - (1994 AND AFTER "ACID		TRI	W13			
MILLER							
FASCO		ELDON					
	XYLENE (MIXED ISOMERS)		TRI	W73			
MONROE							
DIVERSIFIED DIEMAKERS (DBA INTERM		MONROE CITY					
	COPPER		METAL	W42	W58		
	LEAD		PBT/METAL	W58			
MONTGOMER							
UNIQUE AUTOMOTIVE REBUILDERS, INC		JONESBURG					

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
<b>NODAWAY</b>	TRICHLOROETHYLENE		TRI	W19			
	ENERGIZER BATTERY MANUFACTURIN	MARYVILLE					
	MANGANESE COMPOUNDS		METAL	W13	W19		
	ZINC COMPOUNDS		METAL	W13	W19		
<b>PETTIS</b>	ADCO, INC.	SEDALIA					
	1,2,4-TRIMETHYLBENZENE		TRI	W32	W54		
	CERTAIN GLYCOL ETHERS		TRI	W32	W52		
	TETRACHLOROETHYLENE		TRI	W32	W36	W42	W52
	TRICHLOROETHYLENE		TRI	W13			
	HAYES LEMMERZ INTERNATIONAL, INC.	SEDALIA					
	MANGANESE COMPOUNDS		METAL	W13			
	ZINC COMPOUNDS		METAL	W13	W33		
<b>PIKE</b>	WIRE ROPE CORP. OF AMERICA, INC.	SEDALIA					
	BARIUM COMPOUNDS		METAL	W42			
<b>RALLS</b>	DYNO NOBEL, INC.--LOMO PLANT	LOUISIANA					
	AMMONIA		TRI	W32	W39		
	NITRATE COMPOUNDS		TRI	W32	W39		
	NITRIC ACID		TRI	W19	W31	W58	

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
BUCKHORN RUBBER PRODUCTS, INC.		HANNIBAL					
	TOLUENE		TRI	W73			
	XYLENE (MIXED ISOMERS)		TRI	W73			
	ZINC COMPOUNDS		METAL	W21	W22		
CONTINENTAL CEMENT CO., LLC		HANNIBAL					
	1,1,1-TRICHLOROETHANE		TRI	W33	W36	W39	W72
	1,2,4-TRIMETHYLBENZENE		TRI	W33	W36	W39	W72
	1,2-DICHLOROETHANE		TRI	W33	W36	W39	W72
	1,4-DIOXANE		TRI	W33	W36	W39	W72
	ACETONITRILE		TRI	W33	W36	W39	W72
	ACETOPHENONE		TRI	W33	W36	W39	W72
	ANTHRACENE		TRI	W33	W36	W39	W72
	BENZENE		TRI	W33	W36	W39	W72
	BIPHENYL		TRI	W33	W36	W39	W72
	CERTAIN GLYCOL ETHERS		TRI	W33	W36	W39	W72
	CHLOROBENZENE		TRI	W33	W36	W39	W72
	CHLOROFORM		TRI	W33	W36	W39	W72
	CUMENE		TRI	W33	W36	W39	W72
	CYCLOHEXANE		TRI	W33	W36	W39	W72
	DICHLOROMETHANE		TRI	W33	W36	W39	W72
	DIMETHYL PHTHALATE		TRI	W33	W36	W39	W72
	DIOXIN AND DIOXIN-LIKE COMPOUNDS		DIOXIN	W58	W72		
	ETHYLBENZENE		TRI	W33	W36	W39	W72
	ETHYLENE GLYCOL		TRI	W33	W36	W39	W72
	FORMALDEHYDE		TRI	W33	W36	W39	W72

<i>FACILITY NAME</i>	<i>CHEMICAL NAME</i>	<i>CITY</i>	<i>CLASS</i>	<i>SOURCE REDUCTION ACTIVITY CODES</i>			
				<i>FIRST</i>	<i>SECOND</i>	<i>THIRD</i>	<i>FOURTH</i>
	M-CRESOL		TRI	W33	W36	W39	W72
	M-XYLENE		TRI	W33	W36	W39	W72
	METHANOL		TRI	W33	W36	W39	W72
	METHYL ETHYL KETONE		TRI	W33	W36	W39	W72
	METHYL ISOBUTYL KETONE		TRI	W33	W36	W39	W72
	METHYL METHACRYLATE		TRI	W33	W36	W39	W72
	METHYL TERT-BUTYL ETHER		TRI	W33	W36	W39	W72
	N,N-DIMETHYLANILINE		TRI	W33	W36	W39	W72
	N,N-DIMETHYLFORMAMIDE		TRI	W33	W36	W39	W72
	N-BUTYL ALCOHOL		TRI	W33	W36	W39	W72
	N-HEXANE		TRI	W33	W36	W39	W72
	N-METHYL-2-PYRROLIDONE		TRI	W33	W36	W39	W72
	NAPHTHALENE		TRI	W33	W36	W39	W72
	O-XYLENE		TRI	W33	W36	W39	W72
	PHENANTHRENE		TRI	W33	W36	W39	W72
	PHENOL		TRI	W33	W36	W39	W72
	PHTHALIC ANHYDRIDE		TRI	W33	W36	W39	W72
	PYRIDINE		TRI	W33	W36	W39	W72
	SEC-BUTYL ALCOHOL		TRI	W33	W36	W39	W72
	STYRENE		TRI	W33	W36	W39	W72
	TERT-BUTYL ALCOHOL		TRI	W33	W36	W39	W72
	TETRACHLOROETHYLENE		TRI	W33	W36	W39	W72
	TOLUENE		TRI	W33	W36	W39	W72
	TRICHLOROETHYLENE		TRI	W33	W36	W39	W72

**SALINE**

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
CONAGRA FOODS	AMMONIA	MARSHALL	TRI	W13	W52		
<b>ST. CHARLES</b>							
BRAKING TECHNOLOGIES, INC	METHYL ETHYL KETONE	O'FALLON	TRI	W19	W32		
TRUE MFG. CO., INC.	CHLORODIFLUOROMETHANE	O'FALLON	TRI	W82			
	METHYL ETHYL KETONE		TRI	W89			
	TOLUENE		TRI	W42			
ZOLTEK CORP.	AMMONIA	ST. CHARLES	TRI	W13	W19		
	CYANIDE COMPOUNDS		TRI	W13	W19		
<b>ST. FRANCOIS</b>							
LITTLE TIKES COMMERCIAL PLAY SYST	CERTAIN GLYCOL ETHERS	FARMINGTON	TRI	W19	W21	W71	W78
<b>ST. LOUIS CIT</b>							
ALUMAX FOILS, INC.	CHLORINE	ST. LOUIS	TRI	W13			
	HYDROCHLORIC ACID (1995 AND AFTER "		TRI	W13			
CLEAN CITY SQUARES, INC.	TOLUENE	ST. LOUIS	TRI	W21			
FEDERAL MOGUL		ST. LOUIS					



FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
	MANGANESE		METAL	W41	W53		
INDUSTRIAL POWDER COATINGS		ST. LOUIS					
	NICKEL		METAL	W13	W39	W55	
MARQUETTE TOOL & DIE CO.		ST. LOUIS					
	TRICHLOROETHYLENE		TRI	W81			
MIDLAND RESOURCES, INC.		ST. LOUIS					
	CHLORINE		TRI	W52			
PERMACEL ST. LOUIS, INC.		ST. LOUIS					
	ANTIMONY COMPOUNDS		METAL	W49			
	BARIUM COMPOUNDS		METAL	W49			
	DECABROMODIPHENYL OXIDE		TRI	W13	W36	W51	
	ZINC COMPOUNDS		METAL	W49			
<b>ST. LOUIS COU</b>							
ANHEUSER-BUSCH, INC.		ST. LOUIS					
	AMMONIA		TRI	W21	W52		
CAMIE-CAMPBELL, INC.		ST. LOUIS					
	DICHLOROMETHANE		TRI	W42			
FINDLAY IND., INC.		CHESTERFIELD					
	DIISOCYANATES		TRI	W13			
FLOW CONTROLS (ALCO)		MARYLAND HEIGHTS					
	COPPER		METAL	W19			
JOST CHEMICAL CO., INC.		ST. LOUIS					

FACILITY NAME	CHEMICAL NAME	CITY	CLASS	SOURCE REDUCTION ACTIVITY CODES			
				FIRST	SECOND	THIRD	FOURTH
	NITRATE COMPOUNDS		TRI	W49			
LHB IND.		BERKELEY					
	TOLUENE		TRI	W42			
MAC MOLDING CO., INC.		ST. LOUIS					
	STYRENE		TRI	W35	W52		
MID STATE PAINT AND CHEMICAL CO.		ST. LOUIS					
	CERTAIN GLYCOL ETHERS		TRI	W42			
	LEAD COMPOUNDS		PBT/METAL	W42			
	TOLUENE		TRI	W42			
	XYLENE (MIXED ISOMERS)		TRI	W42			
MIDCO PRODUCTS CO., INC.		CHESTERFIELD					
	DICHLOROMETHANE		TRI	W13			
PERMEA		MARYLAND HEIGHTS					
	N-METHYL-2-PYRROLIDONE		TRI	W42	W68		
TRUE MFG. CO., INC.		OLIVETTE					
	CHLORODIFLUOROMETHANE		TRI	W82			
<b>SULLIVAN</b>							
PREMIUM STANDARD FARMS		MILAN					
	AMMONIA		TRI	W19			
<b>WASHINGTON</b>							
BUCKMAN LABORATORIES, INC.		CADET					
	DAZOMET		TRI	W19	W39		

<i>FACILITY NAME</i>	<i>CHEMICAL NAME</i>	<i>CITY</i>	<i>CLASS</i>	<i>SOURCE REDUCTION ACTIVITY CODES</i>			
				<i>FIRST</i>	<i>SECOND</i>	<i>THIRD</i>	<i>FOURTH</i>
<b>WEBSTER</b>	EPICHLOROHYDRIN		TRI	W32			
	YORK CASKET	MARSHFIELD					
	METHYL ETHYL KETONE		TRI	W13	W51	W58	
	TOLUENE		TRI	W13	W51	W58	
	XYLENE (MIXED ISOMERS)		TRI	W13	W51	W58	

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